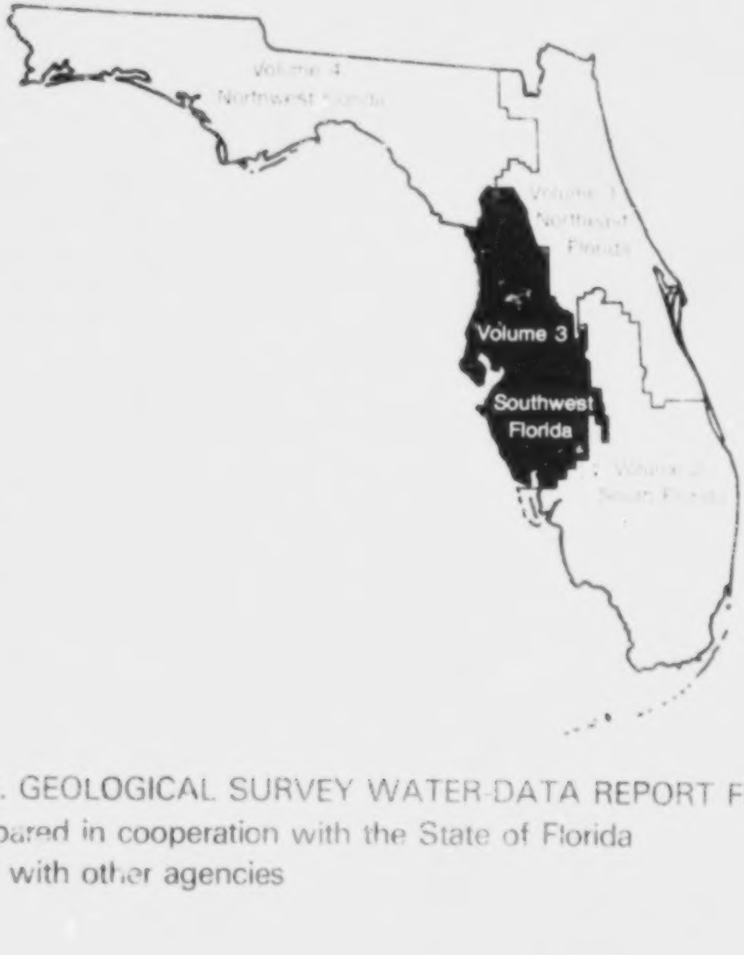
Water Resources Data
Florida
Water Year 1984

Volume 3B. Southwest Florida Ground Water


Volume 4
Northwest Florida
Volume 1
Northeast
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Volume 3
Southwest
Florida
Volume 2
South Florida

342

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-84-3B
Prepared in cooperation with the State of Florida
and with other agencies

CALENDAR FOR WATER YEAR 1984

1983

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DEPARTMENT OF THE INTERIOR
March 3 1849

Water Resources Data Florida

Water Year 1984

Volume 3B. Southwest Florida Ground Water

by R.T. Mycyk, L.D. Fayard, W.L. Fletcher, and J.K. Ogle

Volume 4
Northwest Florida
Volume 1
Northeast
Florida
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South Florida

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-84-3B
Prepared in cooperation with the State of Florida
and with other agencies

I

UNITED STATES DEPARTMENT OF THE INTERIOR

Donald Paul Hodel, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

Prepared in cooperation with the
State of Florida
and with other agencies as listed
under cooperation

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Tallahassee, Florida 32301

1986

WATER RESOURCES DATA FOR FLORIDA, 1984
Volume 3B: Southwest Florida

PREFACE

The volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes.

Volume 1.	Northeast Florida
Volume 2.	South Florida
Volume 3.	Southwest Florida
Volume 4.	Northwest Florida

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of I. H. Kantrowitz, District Chief, Florida.

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16. Abstract (Limit: 200 words)

Water resources data for the 1984 water year in Florida consist of continuous or daily discharge for 251 streams, periodic discharge for 32 streams, miscellaneous discharge for 43 streams, continuous or daily stage for 92 streams, periodic stage for 31 streams, peak discharge for 60 streams and peak stage for 37 streams; continuous or daily elevations for 73 lakes, periodic elevations for 82 lakes; continuous ground-water levels for 467 wells, periodic ground-water levels for 539 wells, and miscellaneous water-level measurements for 2,039 wells; quality-of-water data for 200 surface-water sites and 596 wells.

The data for southwest Florida include continuous or daily discharge for 81 streams, periodic discharge for 15 streams, miscellaneous discharge for 14 streams, peak discharge for 20 streams, continuous or daily stage for 31 streams; continuous elevations for 30 lakes and periodic elevations for 43 lakes; continuous ground-water levels for 231 wells, periodic ground-water levels for 199 wells, and miscellaneous water-level measurements for 799 wells; quality of water for 117 surface-water sites and 289 wells.

These data represent the National Water Data System records collected by the U. S. Geological Survey and cooperating local, state and federal agencies in Florida.

17. Document Analysis a. Descriptors

*Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow rate, Gaging Stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations, Water wells

b. Identifiers/Open-Ended Terms

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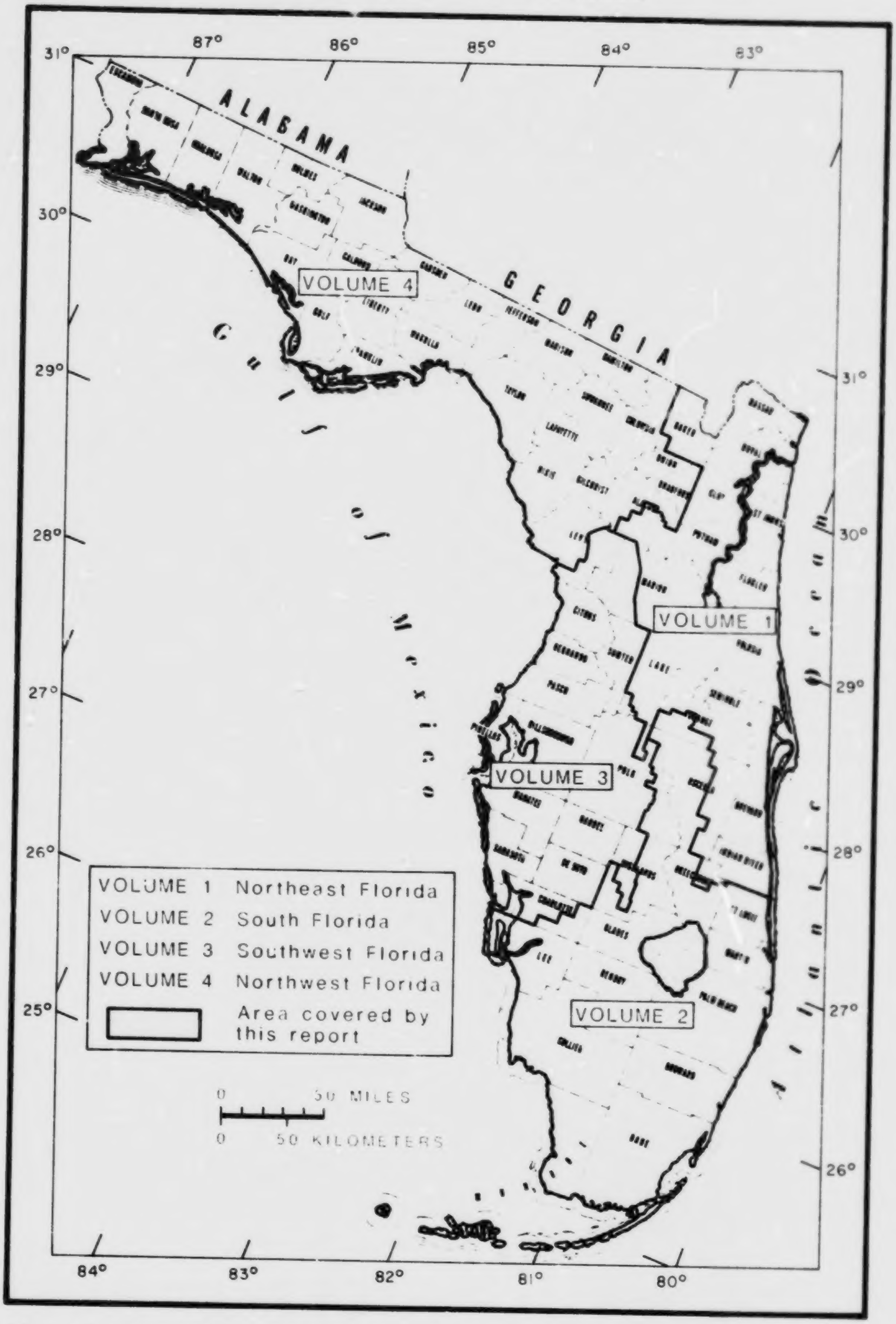
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GEORGIA
Gulf of Mexico
Atlantic Ocean
VOLUME 4
VOLUME 1
VOLUME 3
VOLUME 2
VOLUME 1 Northeast Florida
VOLUME 2 South Florida
VOLUME 3 Southwest Florida
VOLUME 4 Northwest Florida
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0 50 KILOMETERS

Figure 1. Geographic area covered by this report.

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WATER RESOURCES DATA FOR FLORIDA, 1984
Volume 3B: Soutnwest Florida

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INTRODUCTION

Water resources data for the 1984 water year for southwest Florida consist of records of water levels and water quality of wells. Records of stage, discharge, and water quality of streams; elevation and water quality of lakes and reservoirs; and discharge and water quality of springs are in Volume 3A. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geologic Survey and cooperating state and federal agencies in Florida.

Records of discharge and stage of streams, and contents (or elevations) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1974, streamflow data were released by the U.S. Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-84-3B." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (904) 681-7620.

COOPERATION

The systematic collection of water resources data in the State of Florida by the U.S. Geological Survey began in 1930 and has been continued in cooperation with local, state, and federal agencies. The data for this report were collected as part of a cooperative program with the following agencies:

Florida Department of Environmental Regulation
Florida Department of Transportation
Southwest Florida Water Management District
West Coast Regional Water Supply Authority
County of Hillsborough
County of Manatee
County of Pinellas
County of Sarasota
County of Sumter
City of Bradenton
City of Clearwater
Englewood Water District
City of Sarasota
City of Tampa
Corps of Engineers, U.S. Army

DEFINITION OF TERMS

Terms related to streamflow, ground water, water quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to the International System of units (SI), on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Altitude is a value given a gaging station or a ground-water well, for which the elevation of the gage datum has not been determined by leveling from a bench mark. The approximate elevation of the gage was then obtained by barometric observation or from topographic map.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, trapped by the well. A flowing artesian well is one in which level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, non-spore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory, these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C plus or minus 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C plus or minus 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal are bacteria found also in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C plus or minus 1.0°C on KF streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bactereia.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.

Organic weight or volatile weight of the living substance is the difference between the dry weight and the ash weight, and represents the actual weight of the living matter. The organic weight is expressed in the same units as for ash and dry weights.

Wet weight is the weight of living matter plus contained water.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or approximately 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural-water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (ft^3/s or cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Detergents (methylene blue active substance, MBAS). Anionic surfactants in detergents resist chemical oxidation and biological breakdown. Soap is an example of this class and the synthetic members are sodium salts of organic sulfonates or sulfates (Rose, 1966). Their persistence in water over long periods of time contributes to pollution of both ground water and surface water. Some of the effects produced from detergent pollution are unpleasant taste, odor, and foaming (Wayman, and others, 1962). Although the physiological implications of MBAS to human beings is unknown, prolonged ingestion of this material by rats is believed to be nontoxic (Paynter, 1960). The U.S. Public Health Service (1962) recommends that MBAS should not exceed 0.5 mg/L in drinking and culinary waters.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 ug membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hydrologic unit is a geographic area representing part of all of a surface drainage basin or district hydrologic feature as delineated by the Office of Water Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum is a datum that approximates land surface at each well.

Micrograms per liter (ug/L) is a unit expressing the concentration of chemical constituents in solution as weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Concentration of suspended sediment can also be exposed in mg/L based on the mass of sediment per liter of sample.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum arrived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Organism count/area refers to the number or organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Partial-record station is a particular site where limited streamflow data are collected systematically over a period of years for use in hydrologic analyses.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's, there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds (Goerlitz and Brown, 1972, p.24). The United States annually produces about one billion pounds of these compounds. Although efforts are being made to substitute many of the chlorinated hydrocarbon pesticides with more specific, fast acting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per 100 mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per 100 mL of sample.

A picocuri (pCi) is one millionth of the amount of radioactivity represented by a microcurie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegrations per minute.

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Radioisotopes are isotope forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having an atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN.) shows the depth of which the drainage area would be covered it all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transformed by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Sediment discharge is the rate at which suspended sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks and dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may even vary in the same source with changes in the composition of the water (Durfor and Becker, 1964, p. 27-29).

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff," as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for stages when the various maps were made.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 ug membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required for all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determination of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 ug membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Thermograph is a thermometer that continuously and automatically records on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the location of the thermograph or a digital mechanism that automatically records water temperature on paper tape.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected forms of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample).

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total organic carbon (TOC) is a measure of the organically related carbonaceous content of water. It includes all natural and man-made organic compounds which are combustable at a temperature of 950°C.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends. Thus, the water year beginning October 1, 1970 and ending September 30, 1971 is called the "1971 water year."

WDR is used as an abbreviation for "Water-Data Reports" published since 1975, in the REVISIONS paragraph to refer to previously published state annual basic-data reports.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

STATION IDENTIFICATION

Numbering system for wells and miscellaneous sites

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits are a sequential number for sites within a 1-second grid. In the event that the latitude-longitude coordinates for two sites are the same, sequential numbers "01," "02," are assigned to give each site a unique number. See figure below.

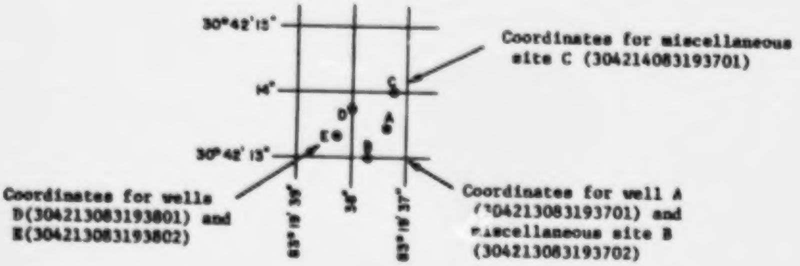
30°42'15"
14"
30°42'13"
83°19'39"
38"
83°19'37"
C
D
A
E
B
Coordinates for miscellaneous site C (304214083193701)
Coordinates for wells D(304213083193801) and E(304213083193802)
Coordinates for well A (304213083193701) and miscellaneous site B (304213083193702)

Figure 2. System for numbering wells and miscellaneous sites. (latitude and longitude)

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

The chemical analyses of ground-water samples are listed immediately following the water-level records. No descriptive statements are given, however, the site number, date of sampling, and other pertinent data are given in the table of chemical analyses.

Revisions

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

Samples from wells are usually collected after pumping for a period of time to ensure that a volume of water greater than or equal to 2½ times the volume of the well casing has been removed. This sample is considered to be representative of the water in the aquifer at the time of collection.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

Water temperature

Water temperatures are measured at most of the water-quality stations. The thermometers used for determining the water temperature are accurate to plus or minus 0.5°C.

Mineral constituents in solution

All natural waters contain dissolved mineral matter. The quantity of dissolved mineral matter in natural water depends primarily on the type of rock or soils with which the water has been in contact and the length of time of contact. Ground water is generally more highly mineralized than surface runoff because it remains in contact with the rocks and soils for much longer periods. Many streams are fed by both surface runoff and ground water from seepage or direct spring inflow. Such streams reflect the character of the more mineralized ground water during dry periods and are diluted by surface runoff during wet periods.

The mineral constituents and physical properties of waters reported in this report include those that have a practical bearing on water use. The results of analyses generally include silica, iron, calcium, magnesium, sodium, potassium, alkalinity, sulfate, chloride, fluoride, nitrogen and phosphorus species, pH, dissolved solids, and specific conductance. Aluminum, manganese, color, dissolved oxygen, and other dissolved constituents and physical properties are reported for certain streams. Microbiologic and organic components (pesticides, total organic carbon) and minor elements (arsenic, cobalt, cadmium, copper, lead, mercury, nickel, strontium, zinc, etc.) are determined occasionally for some streams in connection with specific studies.

Qualifying-Remarks Codes

The following remarks codes may appear with the data.

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Ground-water level data from a state-wide network of observation wells are published herein. The records include data from wells equipped with continuous water level recorders and data from wells where water levels are measured periodically.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude as shown in figure 2, and (2) a local number that is provided for continuity with older reports and for other use as indicated by local needs.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that approximates land surface at each well. If known, the altitude of the land-surface datum above National Godetic Vertical Datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported daily or for every fifth day and the end of the month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater; however, most measurements are reported to a hundredth of a foot.

SUMMARY OF HYDROLOGIC CONDITIONS

Rainfall during the 1984 water year in west-central Florida varied from seven inches above to six inches below normal for the period October to September. The rainfall varied from five inches to three inches below normal from October to May. Rainfall during the summer was light and scattered causing the months of June, July, August, and September to be about five inches below normal. Total rainfall for the year averaged about one inch below normal. Total rainfall for the year was twelve inches below normal to normal at St. Petersburg, Tampa, Inverness, Bushnell, and Lakeland, and two to five inches above normal at Brooksville, Punta Gorda, and Arcadia.

Streamflow during the 1984 water year ranged from slightly below to just above the monthly mean discharge. In the Hillsborough River basin, flow was at the monthly mean discharge from October to December. Moderate rain in late December and showers from January to April caused the flow to remain well above the monthly mean discharge. Light rain showers in May and June caused the flow to recede to the monthly mean discharge. Moderate rain showers in July and August caused the flow to rise well above the monthly mean discharge but by the end of September the flow had receded back to the monthly mean discharge. For the Peace River basin, streamflow was slightly above the monthly mean discharge and remained there to the end of December. Moderate rain in late December and showers from January to March caused the flow to remain above the monthly mean discharge, but receded to slightly below the monthly mean discharge by the end of May. Light showers in June, July, and August caused the flow to rise just above the monthly mean discharge, but by the end of September the flow receded to just below the monthly mean discharge.

Streamflow in the Withlacoochee River near Trilby and Withlachoochee River near Holder remained at the monthly mean discharge from October to December. Moderate rain in late December and light rain showers caused the flow to remain well above the monthly mean discharge from January through July, but receded back to the monthly mean discharge in August and September.

Lake elevations were slightly above the average for the entire water year. Water levels for Lake Howard in the upper Peace River basin were slightly above the average from October to December but rose well above the month end elevation from January to March. The water level declined in April and remained slightly above the month end elevation through September. Lake Carroll in the Hillsborough River basin was at the month end elevation average from October to December and rose slightly above the month end elevation in January and remained there through September.

Ground-water levels in the Floridan and surficial aquifers were above average water levels for the water year. Floridan aquifer water levels in De Soto, Hillsborough, Hardee, Hernando, Pasco, and Polk Counties remained above the average water levels from October to May. The summer showers were light causing the water levels to decline to the average water level by the end of September.

The mean annual flow in Weeki Wachee Springs in Hernando County and Rainbow Springs in Marion County, was about 20 percent higher than the long-term averages. The mean annual flow in Lithia Springs in Hillsborough County was eight percent higher than the long-term average.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

SELECTED REFERENCES

American Public Health Association, and others 1965, Standard methods for the examination of water and waste-water, 12th ed.: Am. Public Health Assoc., New York, 769 p.

California State Water Quality Control Board, 1963, Water quality criteria; Pub. 3-A, p. 226.

Conover, C. S., and Leach, S. D., 1975, River basin and hydrologic unit map of Florida: Florida Bur. Geology Map Ser. 72.

Ellis, M. M., Westfall, B. A., and Ellis, M. D., 1946, Determination of water quality, U.S. Fish and Wildlife Reserve Report 9.

Georlitz, Donald R., and Brown, Eugene, 1972, Methods for Analysis of Organic Substances in Water: U. S. Geological Survey Techniques of Water Resources-Inv., Book 5, Chapter A3, 40 p.

Kirkor, Teodor, 1951, Protecting Public Waters from Pollution in the U.S.S.R., Sewage Works Journal, v. 23, 938 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U. S. Geological Survey Water-Supply Paper 1541-A, 29 p.

Maxcy, K. F., 1950, Report on the relation of nitrate concentrations in well waters to the occurrence of methemoglobinemia: National Research Council, Bull. Sanitary Eng. and Environment, App. D., 271 p.

Paynter, O. E., 1960, The chronic toxicity of dodecylbenzene sodium sulfonate: U. S. Public Health Conference on Physiological Aspects of Water Quality Proc., Washington, D. C., Sept. 8-9, 1960, 175-177 p.

Rose, Arthur and Elizabeth, 1966, The condensed chemical dictionary: Reinhold Pub. Corp., New York, 7th ed., 286 p.

Slack, K. V., Averett, R. C., Grieson, P. E., and Lipscomb, R. G., 1973, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples: U.S. Geological Survey Techniques of Water Resources Inv., Book 5, Chapter A4, 165 p.

Swenson, H. A. and Baldwin, H. L., 1965, A Primer on water quality: Washington, U.S. Government Printing Office, 27 p.

U.S. Environmental Protection Agency, 1975, National Interim primary drinking water regulations: Federal Register, v. 40, no. 51, March 14, p. 11990-11998.

U.S. Environmental Protection Agency, 1977, National secondary drinking water regulations: Federal Register, v. 42, no. 62, March 31, p. 17143-17146.

U.S. Public Health Service, 1962, Drinking water standards: U.S. Dept. Health, Education and Welfare, Public Health Service: Pub. no. 956.

Wayman, C. H., Robertson, J. B., and Page, H. G., Foaming characteristics of synthetic-detergent solutions: U.S. Geological Survey, Prof. Paper 450D, art. 178, D198 p.

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WELL DESCRIPTIONS AND GROUND-WATER DATA

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 3

CHARLOTTE COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	265138082002201	16
2	265646081554501	17
2	265646081554502	17
3	265837081561101	18
4	265920082045601	18
5	270133082034601	19
5	270133082034602	19
6	270152082002801	20
6	270152082002802	20
6	270152082002803	21
6	270152082002804	21

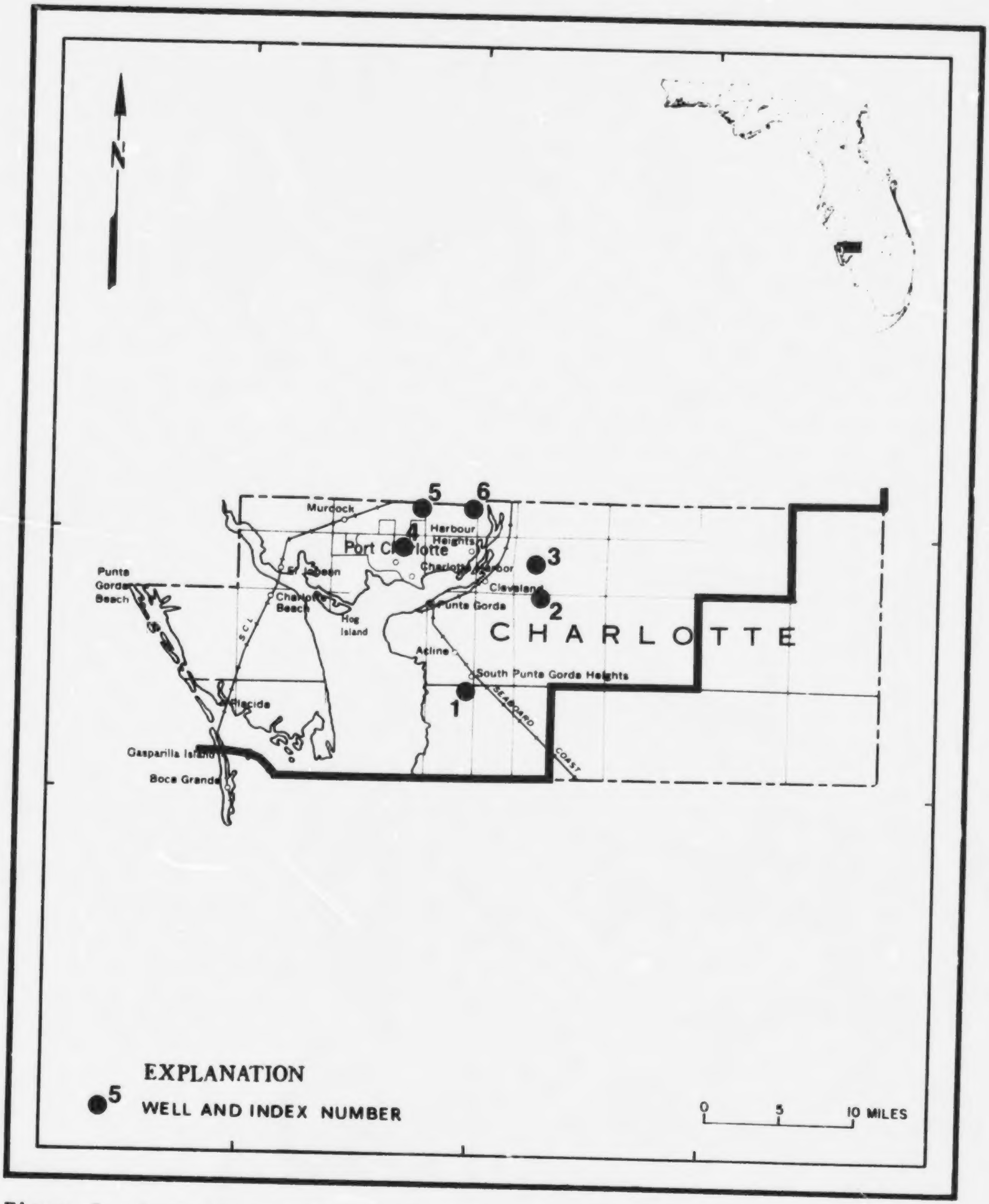
N
5
6
Murdock
Harbour Heights
4
Port Charlotte
3
Punta Gorda Beach
El Jobean
Charlotte Harbor
Charlotte Beach
Cleveland
Hog Island
Punta Gorda
2
CHARLOTTE
SCL
Acline
South Punta Gorda Heights
1
SEABOARD COAST
Placida
Gasparilla Island
Boca Grande
EXPLANATION
5 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 3. Location of wells in Charlotte County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CHARLOTTE COUNTY

WELL NUMBER.--265138082002201. Punta Gorda Heights Well near Punta Gorda, FL.

LOCATION.--Lat 26°51'38", long 82°00'22", in SW¼SW¼ sec.34, T.41 S., R.23 E., Hydrologic Unit 03100103, 1.5 mi west of U. S. Highway 41, and 4.0 mi southeast of Punta Gorda.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 125 ft, cased to 84 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.63 ft above land-surface datum. Prior to Mar. 1, 1976, top of recorder shelter floor, 1.70 ft above land-surface datum.

DATUM.--Land-surface datum is 21.41 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby well. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1967 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.28 ft NGVD, Oct. 31, 1967; lowest, 8.46 ft below NGVD, Jan. 20, 1971.

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.38	.89	6.61	9.85	2.10	10.29	6.69	-1.29	5.52	7.21	12.03	2.87
10	2.47	5.02	4.14	10.57	5.82	4.08	9.60	-2.23	-1.63	9.54	12.07	3.78
15	2.52	6.65	8.15	5.99	3.83	3.45	8.83	-1.40	3.22	10.66	11.97	.10
20	8.50	8.56	9.83	6.97	4.57	4.20	10.21	-2.28	7.65	11.13	11.85	7.49
25	10.03	9.90	10.44	9.62	8.68	8.86	6.42	1.44	9.07	11.57	11.76	9.44
EOM	.37	8.02	7.68	10.46	9.74	7.91	.91	6.95	5.03	11.79	3.26	3.14
MAX	10.03	10.26	10.44	10.62	10.51	10.29	10.21	6.95	9.39	11.79	12.11	9.44

WTR YR 1984 MAX 12.11

CHARLOTTE COUNTY

WELL NUMBER.--265646081554501. State Highway 74 Deep Well near Punta Gorda, FL.

LOCATION.--Lat 26°56'46", long 81°55'45", in NW¼NE¼ sec.5, T.41 S., R.24 E., Hydrologic Unit 03100101, on south side of State Highway 74, 5.4 mi east of junction U. S. Highway 17 and State Highway 74, and 7.6 mi east of Punta Gorda.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 280 ft, cased to 194 ft.

INSTRUMENTATION.--Pressure gage or tape measured. Measuring point: Top of ¼ in valve coupling, 3.22 ft above land-surface datum. Prior to Oct. 1, 1983, top of coupling, 2.8 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 19 ft, from topographic map.

PERIOD OF RECORD.--November 1968 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.00 ft NGVD, Jan. 10, 1969; lowest measured, 20.00 ft NGVD, May 13, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1542	22.98	MAR 28...	1438	22.65
DEC 15...	1525	22.47	JUN 06...	2020	21.99
FEB 15...	1838	22.23	AUG 15...	1202	23.12

WELL NUMBER.--265646081554502. State Highway 74 Shallow Well near Punta Gorda, FL.

LOCATION.--Lat 26°56'46", long 81°55'45", in NW¼NE¼ sec.5, T.41 S., R.24 E., Hydrologic Unit 03100101, on south side of State Highway 74, 5.4 mi east of junction U. S. Highway 17 and State Highway 74, and 7.6 mi east of Punta Gorda.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 25 ft, cased to 21 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 2.3 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 19 ft, from topographic map. Prior to Oct. 1, 1976, land-surface datum was considered to be 23 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--July 1969 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1976, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -4.00 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft NGVD, Sept. 17, 1979; lowest measured, 11.10 ft NGVD, Apr. 27, 1971.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1545	16.41	MAR 28...	1440	16.50
DEC 15...	1528	15.67	JUN 06...	2023	14.78
FEB 15...	1842	15.44	AUG 15...	1206	16.99

CHARLOTTE COUNTY

WELL NUMBER.--265837081561101. ROMP 11 Deep Well near Punta Gorda, FL.

LOCATION.--Lat 26°58'37", long 81°56'11", in SE¼SW¼ sec.20, T.40 S., T.24 E., Hydrologic Unit 03100101, 370 ft north of State Highway 764, and 8.0 mi east of Punta Gorda.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 335 ft, cased to 220 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of casing, 0.50 ft above land-surface datum.

DATUM.--Land-surface datum is 13.30 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1976 to current year (monthly), incomplete. Records of water levels prior to October 1976 are available in files of the Geological Survey. Prior to October 1979, published as Shell Creek Benchmark Well near Punta Gorda.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.14 ft NGVD, Sept. 6, 1978; lowest measured, 31.12 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1245	39.09	MAY 09...	1118	38.52
DEC 15...	1245	38.75	JUN 06...	1727	37.94
JAN 17...	1624	38.75	JUL 03...	1228	38.17
FEB 16...	1218	38.40	AUG 15...	1228	39.32
MAR 06...	1143	38.52	SEP 06...	0932	38.75
28...	1712	39.09			

WELL NUMBER.--265920082045601. Port Charlotte Utility Deep Well at Port Charlotte, FL.

LOCATION.--Lat 26°59'20", long 82°04'56", in SE¼SW¼ sec.14, T.40 S., R.22 E., Hydrologic Unit 03100101, between 709 and 727 Sistina Street at Port Charlotte Golf Course, and 1.0 mi north of U. S. Highway 41 in Port Charlotte.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 156 ft, cased to 128 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of concrete slab at land-surface datum.

DATUM.--Altitude of land-surface datum is 14 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--January 1967 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.40 ft NGVD, July 9, 1968; lowest measured, 25.79 ft below NGVD, Nov. 7, 1972.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1803	12.30	MAR 28...	1558	11.76
DEC 15...	1638	11.42	JUN 07...	1026	9.24
FEB 16...	1112	10.69	AUG 15...	1633	12.69

CHARLOTTE COUNTY

WELL NUMBER.--270133082034601. Port Charlotte Deep Well at Port Charlotte, FL.

LOCATION.--Lat 27°01'33", long 82°03'46", in SW¼NE¼ sec.1, T.40 S., R.22 E., Hydrologic Unit 03100101, 200 ft north of intersection Hammond and Zenith Streets, and 4.5 mi northeast of junction U. S. Highway 41 and Kessler Street in Port Charlotte.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 350 ft, cased to 312 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of coupling, 4.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 25 ft, from topographic map.

PERIOD OF RECORD.--February 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.20 ft NGVD, Jan. 27, 1967; lowest measured, 43.09 ft NGVD, Feb. 4, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1743	47.83	MAR 28...	1613	47.71
DEC 15...	1652	47.36	JUN 07...	1011	46.09
FEB 16...	1123	46.79	AUG 15...	1657	47.71

WELL NUMBER.--270133082034602. Port Charlotte Shallow Well at Port Charlotte, FL.

LOCATION.--Lat 27°01'33", long 82°03'46", in SW¼NE¼ sec.1, T.40 S., R.22 E., Hydrologic Unit 03100101, 200 ft north of intersection Hammond and Zenith Streets, and 4.5 mi northeast of junction U. S. Highway 41 and Kessler Street in Port Charlotte.

AQUIFER.--Nonartesian sand aquifer of the Tertiary System, Geologic Unit 120 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 89 ft, cased to 84 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 3.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 25 ft, from topographic map.

PERIOD OF RECORD.--February 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.53 ft NGVD, Nov. 6, 1967; lowest measured, 16.85 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1745	21.68	MAR 28...	1615	20.90
DEC 15...	1654	20.45	JUN 07...	1012	19.10
FEB 16...	1126	19.43	AUG 15...	1652	20.43

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CHARLOTTE COUNTY

WELL NUMBER.--270152082002801. ROMP 10 Oligocene Well near Port Charlotte, FL.

LOCATION.--Lat 27°01'52", long 82°00'28", in NW¼NW¼ sec.3, T.40 S., R.23 E., Hydrologic Unit 03100101, 200 ft south of De Soto-Charlotte County line, 1.0 mi east of Peace River, 2.0 mi north of Harbour Heights, and 5.0 mi northeast of Port Charlotte.

AQUIFER.--Limestone aquifer of Oligocene Age, Geologic Unit 123 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 4 in, depth 917 ft, cased to 595 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of valve, 3.3 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--December 1975 to September 1977 (bimonthly); October 1977 to current year (monthly). Prior to October 1979, published as Deep Creek Well Number 917 near Port Charlotte.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.11 ft NGVD, Sept. 6, 28, 1978; lowest measured, 51.48 ft NGVD, Sept. 13, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1825	59.91	MAY 09...	1330	57.14
NOV 23...	1226	60.26	JUN 07...	1102	55.76
DEC 15...	1712	58.76	JUL 03...	1444	58.64
JAN 18...	0940	58.87	AUG 15...	1717	59.68
FEB 16...	1144	58.07	SEP 06...	1314	58.99
MAR 06...	1423	58.76			

WELL NUMBER.--270152082002802. ROMP 10 Limestone Well near Port Charlotte, FL.

LOCATION.--Lat 27°01'52", long 82°00'28", in NW¼NW¼ sec.3, T.40 S., R.23 E., Hydrologic Unit 03100101, 200 ft south of De Soto-Charlotte County line, 1.0 mi east of Peace River, 2.0 mi north of Harbour Heights, and 5.0 mi northeast of Port Charlotte.

AQUIFER.--Limestone aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 4 in, depth 575 ft, cased to 303 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of valve, 2.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--December 1975 to September 1977 (bimonthly); October 1977 to current year (monthly); incomplete. Prior to October 1979, published as Deep Creek Well Number 575 near Port Charlotte.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.35 ft NGVD, Sept. 6, Oct. 3, 1978; lowest measured, 56.19 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1828	60.81	MAY 09...	1332	58.96
NOV 23...	1235	60.92	JUN 07...	1105	57.23
DEC 15...	1714	60.12	JUL 03...	1448	60.35
JAN 18...	0943	60.12	AUG 15...	1720	60.92
FEB 16...	1145	59.77	SEP 06...	1319	60.81
MAR 06...	1425	60.23			

WELL NUMBER.--270152082002803. ROMP 10 Hawthorn Well near Port Charlotte, FL.

LOCATION.--Lat 27°01'52", long 82°00'28", in NW¼NW¼ sec.3, T.40 S., R.23 E., Hydrologic Unit 03100101, 200 ft south of De Soto-Charlotte County line, 1.0 mi east of Peace River, 2.0 mi north of Harbour Heights, and 5.0 mi northeast of Port Charlotte.

AQUIFER.--Hawthorn limestone aquifer of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 270 ft, cased to 110 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of valve, 1.5 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--December 1975 to September 1977 (bimonthly); October 1977 to current year (monthly). Prior to October 1979, published as Deep Creek Well Number 270 near Port Charlotte.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.21 ft NGVD, Sept. 6, 1978; lowest measured, 31.43 ft NGVD, June 5, July 1, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1831	36.40	MAY 09...	1335	35.82
NOV 23...	1243	36.05	JUN 07...	1108	34.78
DEC 15...	1716	35.94	JUL 03...	1452	35.48
JAN 18...	0945	35.82	AUG 15...	1722	36.63
FEB 16...	1147	35.59	SEP 06...	1324	36.63
MAR 06...	1427	35.48			
28...	1637	36.28			

WELL NUMBER.--270152082002804. ROMP 10 Water Table Well near Port Charlotte, FL.

LOCATION.--Lat 27°01'52", long 82°00'28", in NW¼NW¼ sec.3, T.40 S., R.23 E., Hydrologic Unit 03100101, 200 ft south of De Soto-Charlotte County line, 1.0 mi east of Peace River, 2.0 mi north of Harbour Heights, and 5.0 mi northeast of Port Charlotte.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 30 ft, cased to 20 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 0.6 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--December 1975 to September 1977 (bimonthly); October 1977 to current year (monthly). Prior to October 1979, published as Deep Creek Water Table Well near Port Charlotte.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.18 ft NGVD, Sept. 17, 1979; lowest measured, 14.25 ft NGVD, May 10, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1834	17.23	MAY 09...	1342	16.79
NOV 23...	1212	16.89	JUN 07...	1111	16.47
DEC 15...	1721	17.15	JUL 03...	1455	15.73
JAN 18...	0948	16.46	AUG 15...	1724	17.42
FEB 16...	1150	16.11	SEP 06...	1423	16.46
MAR 06...	1430	16.67			
28...	1640	17.50			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	CHARLOTTE					
265124082012401	OLD FAITHFUL D. WELL NR PUNTA GORDA, FLA	26 51 24	082 01 24	01	84-05-16	44.50
					84-09-12	45.50
265633082015201	BROWNS D WELL AT PUNTA GORDA	26 56 33	082 01 52	01	84-05-16	42.00
					84-09-12	43.00
265842081414801	40S26E22 658141132 424	26 58 42	081 41 48	01	84-05-16	47.75
					84-09-12	50.02

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

CHARLOTTE COUNTY

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
265004081581901 - 42S23E12 HERRIN NVR 1 (LAT 26 50 04 LONG 081 58 19)										
APR , 1984										
11...	0930	--	1830	--	7.5	25.0	<5	65	57	240
265017082153701 - 42S20E12 65021501 241 (LAT 26 50 17 LONG 082 15 37)										
JUN , 1984										
13...	1745	19000	21100	--	--	30.0	--	--	--	--
265538082124401 - NAT WOLFE GROVE WELL NR EL JOBEAN,FL (LAT 26 55 38 LONG 082 12 44)										
JUN , 1984										
12...	1000	5600	5940	--	--	25.0	--	--	--	--
265910082001501 - CITY OF HARBOR HEIGHTS (LAT 26 59 10 LONG 082 00 15)										
MAY , 1984										
22...	1515	2450	--	7.4	--	26.5	--	--	--	--
22...	1516	2450	--	7.4	--	26.5	--	--	--	--
270152082002801 - ROMP 10 OLIGOCENE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)										
NOV , 1983										
23...	1226	1400	1400	--	7.8	25.5	<5	96	60	110
MAY , 1984										
09...	1330	1480	1400	--	7.9	25.5	<5	100	56	120
SEP										
06...	1314	1490	1490	--	7.5	26.0	5	110	62	110
270152082002802 - ROMP 10 LIMESTONE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)										
NOV , 1983										
23...	1235	1690	1700	--	7.6	25.5	<5	76	56	180
MAY , 1984										
09...	1332	1700	1670	--	7.3	26.0	<5	80	50	210
SEP										
06...	1319	1730	1750	--	7.9	26.0	<5	82	56	180
270152082002803 - ROMP 10 HAWTHORN WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)										
NOV , 1983										
23...	1243	1530	1550	--	7.5	24.5	<5	76	52	140
MAY , 1984										
09...	1335	1580	1520	--	7.2	24.5	<5	75	49	170
SEP										
06...	1324	1580	1580	--	7.6	24.5	<5	84	52	150

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

CHARLOTTE COUNTY--Continued

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)
265004081581901 - 42S23E12 HERRIN NVR 1 (LAT 26 50 04 LONG 081 58 19)									
APR , 1984 11...	20	150	400	1.4	35	1110	--	--	--
265017082153701 - 42S20E12 65021501 241 (LAT 26 50 17 LONG 082 15 37)									
JUN , 1984 13...	--	320	7600	--	--	--	14800	--	--
265538082124401 - NAT WOLFE GROVE WELL NR EL JOBEAN,FL (LAT 26 55 38 LONG 082 12 44)									
JUN , 1984 12...	--	270	1700	--	--	--	3960	--	--
265910082001501 - CITY OF HARBOR HEIGHTS (LAT 26 59 10 LONG 082 00 15)									
MAY , 1984 22...	--	--	--	--	--	--	--	<1	<100
22...	--	--	--	--	--	--	--	<1	<100
270152082002801 - ROMP 10 OLIGOCENE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983 23...	7.8	410	170	1.7	18	1000	--	--	--
MAY , 1984 09...	6.9	410	170	1.8	18	1010	--	--	--
SEP 06...	7.6	400	170	1.9	19	1020	--	--	--
270152082002802 - ROMP 10 LIMESTONE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983 23...	8.1	280	330	1.5	15	1100	--	--	--
MAY , 1984 09...	7.2	280	320	1.6	14	1090	--	--	--
SEP 06...	8.2	250	330	1.5	15	1050	--	--	--
270152082002803 - ROMP 10 HAWTHORN WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983 23...	8.7	170	330	1.2	19	925	--	--	--
MAY , 1984 09...	7.9	170	340	1.3	18	926	--	--	--
SEP 06...	9.0	160	340	1.3	18	895	--	--	--

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

CHARLOTTE COUNTY--Continued

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
265004081581901 - 42S23E12 HERRIN NVR 1 (LAT 26 50 04 LONG 081 58 19)									
APR , 1984									
11...	--	--	--	<10	--	--	--	9400	205
265017082153701 - 42S20E12 65021501 241 (LAT 26 50 17 LONG 082 15 37)									
JUN , 1984									
13...	--	--	--	--	--	--	--	--	--
265538082124401 - NAT WOLFE GROVE WELL NR EL JOBEAN,FL (LAT 26 55 38 LONG 082 12 44)									
JUN , 1984									
12...	--	--	--	--	--	--	--	--	--
265910082001501 - CITY OF HARBOR HEIGHTS (LAT 26 59 10 LONG 082 00 15)									
MAY , 1984									
22...	1	<1	6	--	2	.6	<1	--	--
22...	1	<1	6	--	2	.2	<1	--	--
270152082002801 - ROMP 10 OLIGOCENE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983									
23...	--	--	--	--	--	--	--	18000	101
MAY , 1984									
09...	--	--	--	--	--	--	--	16000	119
SEP									
06...	--	--	--	--	--	--	--	18000	121
270152082002802 - ROMP 10 LIMESTONE WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983									
23...	--	--	--	--	--	--	--	20000	113
MAY , 1984									
09...	--	--	--	--	--	--	--	18000	118
SEP									
06...	--	--	--	--	--	--	--	21000	115
270152082002803 - ROMP 10 HAWTHORN WELL NEAR PORT CHARLOTTE, FL (LAT 27 01 52 LONG 082 00 28)									
NOV , 1983									
23...	--	--	--	--	--	--	--	20000	111
MAY , 1984									
09...	--	--	--	--	--	--	--	19000	114
SEP									
06...	--	--	--	--	--	--	--	21000	113

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 4

CITRUS COUNTY

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1	284317082330601	28
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2	284339082270402	30
3	284508082174601	31
7	284705082270101	31
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12	285020082365301	32
13	285102082204001	33
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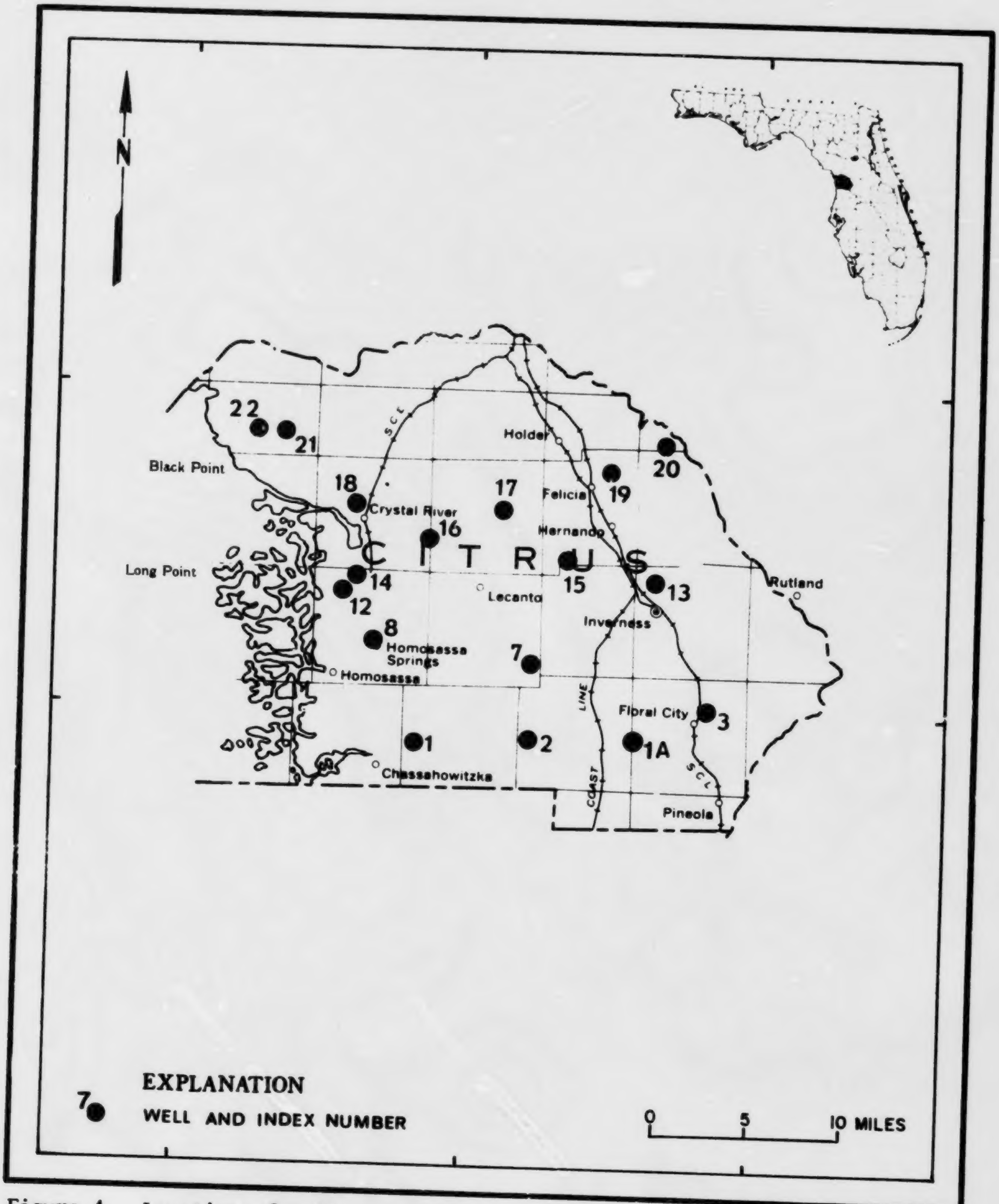
17	285414082284201	36
18	285421082361601	37
18	285421082361602	37
20	285720082201301	38
21	285737082400601	39
22	285737082413001	39


N
22
21
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19
18
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16
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12
8
7
3
2
1
1A
Black Point
Long Point
Holder
Felicia
Crystal River
Hernando
CITRUS
Rutland
Lecanto
Inverness
Homosassa Springs
Homosassa
Floral City
Chassahowitzka
Pineola
SCL
COAST LINE
EXPLANATION
7 ● WELL AND INDEX NUMBER
0 5 10 MILES

Figure 4. Location of wells in Citrus County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--284317082330601. Chassahowitzka Well 1 near Chassahowitzka, FL.

LOCATION.--Lat 28°43'17", long 82°33'06", in NE¼NE¼ sec.25, T.20 S., R.17 E., Hydrologic Unit 03100207, 0.1 mi southeast of intersection U. S. Highway 19 and U. S. Highway 98, and 1.2 mi east of Chassahowitzka.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 176 ft, cased to 166 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.23 ft above land-surface datum. Prior to Dec. 5, 1975, top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 9.26 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1965 to March 1971; January 1973 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.67 ft NGVD, Oct. 14, 1982; lowest, 5.31 ft NGVD, June 20, 1968, May 10, 1976, July 12, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.95	7.75	7.73	7.49	7.27	7.34	7.65	7.86	7.52	7.94	8.15	8.05
10	7.97	7.89	7.58	7.53	7.12	7.26	7.86	7.76	7.41	7.88	8.00	8.00
15	8.03	7.69	7.84	7.36	7.30	7.21	7.74	7.63	7.49	7.89	7.94	7.95
20	7.94	7.94	7.60	7.45	7.26	7.39	7.63	7.51	7.45	7.87	8.13	7.90
25	7.93	7.94	7.50	7.32	7.39	7.19	7.57	7.64	7.78	7.94	8.19	7.75
EOM	7.73	7.83	7.57	7.29	7.59	7.27	7.49	7.66	8.00	8.17	8.02	7.65
MAX	8.07	7.97	7.84	7.54	7.61	7.63	7.86	7.86	8.00	8.17	8.28	8.07

WTR YR 1984 MAX 8.28

WELL NUMBER.--284317082330602. Chassahowitzka Well 2 near Chassahowitzka, FL.

LOCATION.--Lat 28°43'17", long 82°33'06", in NE¼NE¼ sec.25, T.20., R.17 E., Hydrologic Unit 03100207, 0.1 mi southeast of intersection U. S. Highway 19 and U. S. Highway 98, and 1.2 mi east of Chassahowitzka.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 46.5 ft, cased to 40.5 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 9.36 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1965 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.30 ft NGVD, Sept. 14, 1982; lowest measured, 5.34 ft NGVD, May 12, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1112	7.64	MAY 15...	1348	7.66
JAN 19...	1100	7.54	JUL 10...	1127	7.94
MAR 07...	1047	7.41	SEP 11...	1500	7.93

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--284330082215401. Local Number 843-221-01. Romp Well 109, near Floral City, FL.

LOCATION.--Lat 28°43'30", long 82°21'54", in SW¼SE¼SW¼, sec.24, T.20 S., R.19 E., Hydrologic Unit 03100208, 0.5 mi west of State Highway 581, 4.5 mi southwest of Floral City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 260 ft, cased to 189 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 6 in flange, 2.67 ft above land-surface datum.

DATUM.--Land-surface datum is 157.13 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.15 ft NGVD, Aug. 23, 1984; lowest measured, 20.36 ft NGVD, Feb. 12, 1984.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.32	21.43	21.04	20.63	20.43	20.48	---	20.81	---	21.03	22.01	22.08
10	21.42	21.39	20.95	20.63	20.37	20.46	---	20.88	20.86	21.19	22.07	22.07
15	21.46	21.34	20.86	20.53	20.43	20.43	---	20.92	20.82	21.39	22.11	21.98
20	21.50	21.25	20.80	20.51	20.42	20.48	---	20.92	20.79	21.58	22.09	21.89
25	21.53	21.18	20.72	20.50	20.40	---	20.70	20.92	20.80	21.73	22.12	21.77
EOM	21.47	21.10	20.63	20.45	20.42	---	20.73	---	20.83	21.88	22.12	21.68
MAX	21.53	21.46	21.09	20.63	20.47	---	---	---	---	21.88	22.15	22.10

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--284339082270401. Lecanto Well 1 near Chassahowitzka, FL.

LOCATION.--Lat 28°43'39", long 82°27'04", in SW¼SW¼ sec.19, T.20 S., R.19 E., Hydrologic Unit 03100207, on east side of State Highway 491, 2.2 mi north of Citrus-Hernando County line, and 14 mi east of Chassahowitzka.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 168.5 ft, cased to 168 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 32.80 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1965; May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.82 ft NGVD, Sept. 8, 1965; lowest measured, 6.88 ft NGVD, May 12, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1242	10.87	MAY 15...	1105	10.67
JAN 06...	1331	10.25	JUL 11...	1325	10.90
MAR 08...	1302	10.13	SEP 11...	1203	11.20

WELL NUMBER.--284339082270402. Lecanto Well 2 near Chassahowitzka, FL.

LOCATION.--Lat 28°43'39", long 82°27'04", in SW¼SW¼ sec.19, T.20 S., R.19 E., Hydrologic Unit 03100207, on east side of State Highway 491, 2.2 mi north of Citrus-Hernando County line, and 14 mi east of Chassahowitzka.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 41 ft, cased to 36 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 32.64 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1965; May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.92 ft NGVD, Sept. 6, 1974; lowest measured, 6.88 ft NGVD, May 12, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1248	10.89	MAY 15...	1102	10.69
JAN 06...	1334	10.29	JUL 11...	1328	10.92
MAR 08...	1306	10.04	SEP 11...	1206	11.18

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--284508082174601. Local Number Citrus 845-217-332. Ferris Packing Company Well at Floral City, FL.

LOCATION.--Lat 28°45'08", long 82°17'46", in NE¼NE¼NW¼ sec.15, T.20 S., R.20 E., Hydrologic Unit 03100208, on east side of U.S. Highway 41, in rear of packing house, 0.2 mi north of State Highway 48 in Floral City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, artesian well, diameter 8 in, depth 400 ft, cased to 200 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 70.43 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March and May 1961, January 1964 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.32 ft NGVD, Aug. 23, 1965; lowest measured, 29.65 ft NGVD, Dec. 17, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
DEC 02...	1351	36.28	JUN 06...	1243	36.14
JAN 25...	0940	36.53	AUG 14...	1108	37.09
APR 24...	0900	36.67	SEP 12...	1420	36.67
MAY 17...	1345	35.99			

WELL NUMBER.--284705082270101. Lecanto Well 3 near Lecanto, FL.

LOCATION.--Lat 28°47'05", long 82°27'01", in SW¼NW¼ sec.36, T.19 S., R.18 E., Hydrologic Unit 03100207, on east side of State Highway 491, 5.2 mi south of Lecanto, and 7.3 mi east of Homosassa Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 63 ft, cased to 59 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 58.42 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1965; May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.96 ft NGVD, Sept. 14, 1982; lowest measured, 4.89 ft NGVD, May 17, 1967.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1221	10.09	MAY 15...	1115	9.92
JAN 06...	1314	9.55	JUL 11...	1317	10.12
MAR 08...	1254	9.31	SEP 11...	1211	10.36

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--284803082351701. Norris Well at Homosassa Springs, FL.

LOCATION.--Lat 28°48'03", long 82°35'17", in NW¼NE¼ sec.28, T.19 S., R.17 E., Hydrologic Unit 03100207, at Nature's Fish Bowl (Homosassa Springs), and 0.7 mi west of U. S. Highway 19 at town of Homosassa Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 12 in, depth 50 ft, cased to 44 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 5.47 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1963 to September 1977 (monthly), incomplete; October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.37 ft NGVD, Sept. 10, 1964; lowest measured, 0.58 ft NGVD, Nov. 4, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
04...	1130	0.58	10...	1142	1.75
JAN			AUG		
06...	0841	1.92	30...	1307	2.29
MAR			SEP		
07...	1101	1.76	11...	1446	1.64
MAY					
03...	0840	1.94			
15...	1319	1.52			

WELL NUMBER.--285020082365301. Ozello Well 3 near Crystal River, FL.

LOCATION.--Lat 28°50'20", long 82°36'53", in NW¼SW¼ sec.8, T.19 S., R.17 E., Hydrologic Unit 03100207, 2.5 mi south of Crystal River, and 2.8 mi west of U. S. Highway 19.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 41 ft, cased to 39 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 2.88 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1965; May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.55 ft NGVD, July 11, 1984; lowest measured, 0.43 ft NGVD, May 6, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
07...	1027	1.55	11...	0930	2.55
JAN			AUG		
06...	0944	1.54	30...	1423	1.43
MAR			SEP		
08...	0910	1.33	11...	1435	1.40
MAY					
03...	1015	1.53			
15...	1305	1.63			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--285102082204001. Local Number Citrus 851-220-343. DOT HY41 Observation Well at Inverness, FL.

LOCATION.--Lat 28°51'02", long 82°20'40", in SW¼SW¼NE¼ sec.7, T.19 S., R.20 E., Hydrologic Unit 03100208, on east side of U.S. Highway 41, 0.4 mi north of intersection of U.S. Highway 41 and State Highway 581 in Inverness.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 18 in, depth 450 ft, cased to 290 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 1.99 ft above land-surface datum.

DATUM.--Land-surface datum is 41.56 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1961 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 37.80 ft NGVD, Oct. 14, 1982; lowest, 26.76 ft NGVD, July 5, 1962.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.09	33.82	33.47	33.77	33.53	33.45	33.33	33.95	34.44	34.29	34.14	33.76
10	33.99	33.75	33.36	33.82	33.30	33.27	33.64	34.36	34.32	34.31	34.11	33.79
15	34.01	33.63	33.53	33.62	33.39	33.25	33.79	34.53	34.20	34.23	33.98	33.62
20	34.00	33.66	33.55	33.60	33.38	33.39	33.68	34.52	34.10	34.19	33.98	33.53
25	33.95	33.56	33.40	33.67	33.38	33.25	33.67	34.57	34.13	34.10	33.87	33.35
EOM	33.77	33.47	33.50	33.50	33.31	33.07	33.59	34.56	34.11	34.12	33.76	33.52
MAX	34.17	33.82	33.64	33.82	33.61	33.46	33.79	34.62	34.50	34.35	34.16	33.81

CAL YR 1983 MAX 36.35
WTR YR 1984 MAX 34.62

WELL NUMBER.--285102082361001. Ozello Well 4 near Crystal River, FL.

LOCATION.--Lat 28°51'02", long 82°36'10", in SE¼SE¼ sec.5, T.19 S., R.17 E., Hydrologic Unit 03100207, 1.5 mi west of U. S. Highway 19, and 2.5 mi south of Crystal River.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 75 ft, cased to 60 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 4.79 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1965; May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.52 ft NGVD, Sept. 6, 1974; lowest measured, 0.96 ft NGVD, Mar. 22, 1967.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
07...	1007	2.59	11...	0910	2.94
JAN			AUG		
06...	0916	2.52	30...	1351	2.69
MAR			SEP		
08...	0930	2.11	11...	1429	2.67
MAY					
03...	0945	2.67			
15...	1300	2.44			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--285112082354401. ROMP TR 21-2 Deep Well near Homosassa Springs, FL.

LOCATION.--Lat 28°51'12", long 82°35'44", in NE¼SW¼ sec.4, T.19 S., R.17 E., Hydrologic Unit 03100207, 1.0 mi west of U. S. Highway 19, and 3.5 mi northwest of Homosassa Springs.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 111 ft, cased to 105 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 4.46 ft above land-surface datum.

DATUM.--Land-surface datum is 3.42 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1979 to September 1983; October 1983 to September 1984 (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.98 ft NGVD, Oct. 24, 1982; lowest, 0.40 ft estimated, NGVD, Dec. 20, 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
05...	1441	2.27	03...	0913	2.05
NOV			15...	1255	1.74
07...	1000	1.87	JUN		
DEC			05...	1400	1.70
01...	1214	1.80	JUL		
JAN			11...	0901	2.96
06...	0909	1.79	AUG		
FEB			09...	1136	2.07
01...	1200	1.08	30...	1331	1.98
MAR			SEP		
08...	0900	0.92	11...	1424	1.99
30...	0957	1.62			

WELL NUMBER.--285124082245601. Local Number Citrus 851-224-01. ROMP Deep Well 113 near Inverness, FL.

LOCATION.--Lat 28°51'24", long 82°24'56", in NE¼NW¼NW¼ sec.9, T.19 S., R.19 E., Hydrologic Unit 03100208, on south side of State Highway 44, 5.5 mi west of Inverness.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 150 ft, cased to 50.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 4.01 ft above land-surface datum.

DATUM.--Land-surface datum is 129.93 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975, September 1976 to September 1977 (bimonthly), October 1977 to September 1980, October 1980 to September 1981 (bimonthly), October 1981 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.72 ft NGVD, Oct. 23, 1982; lowest, 5.75 ft NGVD, Feb. 11,16, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.22	9.21	9.16	8.81	8.62	8.59	8.48	8.75	9.39	9.58	9.93	9.95
10	9.26	9.21	9.13	8.83	8.57	8.55	8.57	9.04	9.37	9.63	9.94	9.92
15	9.27	9.21	9.07	8.75	8.51	8.48	8.73	9.11	9.39	9.64	9.93	9.87
20	9.30	9.17	9.03	---	8.52	8.49	8.76	9.14	9.41	9.68	9.94	9.82
25	9.29	---	8.93	---	8.53	8.49	8.74	9.26	9.42	9.72	9.99	9.69
EOM	9.24	---	8.83	8.65	8.57	8.49	8.66	9.40	9.47	9.84	10.02	9.68
MAX	9.31	---	---	---	8.64	8.59	8.78	9.40	9.47	9.84	10.03	10.02

CITRUS COUNTY

WELL NUMBER.--285234082341901. ROMP TR 21-3 Deep Well near Crystal River, FL.

LOCATION.--Lat 28°52'34", long 82°34'19", in NE¼NE¼ sec.34, T.18 S., R.17 E., Hydrologic Unit 03100207, 0.5 mi east of U. S. Highway 19, and 1.7 mi southeast of Crystal River.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 252 ft, cased to 240 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.95 ft above land-surface datum.

DATUM.--Land-surface datum is 6.11 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.03 ft NGVD, June 11, 1982; lowest, 1.73 ft NGVD, Dec. 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.93	3.74	3.69	3.36	3.23	3.25	3.63	4.02	3.41	3.78	3.89	3.75
10	3.55	3.76	3.19	3.61	2.95	2.87	3.59	3.39	3.55	3.80	3.78	3.81
15	3.34	3.47	3.56	2.91	3.17	3.20	3.69	3.53	3.74	3.87	3.73	3.74
20	3.56	3.87	3.23	2.94	3.11	4.05	3.46	3.49	3.34	3.55	4.02	3.37
25	3.72	4.01	2.57	3.25	3.04	3.18	3.14	3.37	3.71	3.90	3.97	3.48
EOM	3.41	3.42	2.64	3.26	3.47	3.07	3.40	3.18	4.19	4.05	3.78	3.81
MAX	3.95	4.01	3.86	3.75	3.93	4.62	3.87	4.02	4.19	4.11	4.14	3.90

WTR YR 1984 HIGH 4.62 MAR 29

WELL NUMBER.--285254082323001. Lecanto Well 7 near Lecanto, FL.

LOCATION.--Lat 28°52'54", long 82°32'30", in NW¼SE¼ sec.36, T.18 S., R.17 E., Hydrologic Unit 03100207, 2.0 mi northwest of Lecanto, and 3.0 mi southeast of junction U. S. Highway 19 and State Highway 44.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 30 ft, cased to 20 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.5 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 8 ft, from topographic map.

PERIOD OF RECORD.--May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.62 ft NGVD, July 9, 1982; lowest measured, 2.43 ft NGVD, May 7, 1968.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1204	4.26	MAY 15...	1137	5.50
JAN 06...	1259	4.03	JUL 11...	1300	4.77
MAR 08...	1238	3.78	SEP 11...	1230	4.88

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--285414082284201. Local Number Citrus 854-228-01. North Lecanto Deep Well near Lecanto, FL.

LOCATION.--Lat 28°54'14", long 82°28'42", in SW¼NE¼NW¼ sec.22, T.18 S., R.18 E., Hydrologic Unit 03100207, 40 ft east of State Highway 491, and 3.8 mi north of Lecanto.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 335 ft, cased to 288 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.07 ft above land-surface datum.

DATUM.--Land-surface datum is 68.87 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.10 ft NGVD, Oct. 15, 1982; lowest 3.40 ft NGVD, Mar. 25, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	5.70	5.75	5.44	5.27	5.26	5.37		---	6.17	6.42	6.27
10	---	5.82	5.63	5.46	5.02	5.13	5.49		---	6.17	6.31	6.15
15	---	5.69	5.74	5.30	5.13	5.07	---		5.75	6.21	6.26	6.15
20	---	5.71	5.58	5.41	5.14	5.27	---		5.75	6.23	6.35	5.99
25	5.88	5.89	5.53	5.28	5.27	5.16	---		5.86	6.24	6.40	5.88
EOM	5.68	5.81	5.44	5.28	5.40	5.30	---		6.09	6.35	6.31	6.18
MAX	---	5.89	5.79	5.47	5.40	5.38	---		---	6.35	6.43	6.30

CITRUS COUNTY

WELL NUMBER.--285421082361601. Crystal River Shallow Well at Crystal River, FL.

LOCATION.--Lat 28°54'21", long 82°36'16", in SE¼SE¼ sec.17, T.18 S., R.17 E., Hydrologic Unit 03100207, 3 ft west of U. S. Highway 19, and 0.2 mi north of Crystal River city limits.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 53 ft, cased to 3.4 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 2.94 ft above land-surface datum.

DATUM.--Land-surface datum is 5.09 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1964 to July 1973, incomplete; February 1975 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.62 ft NGVD, Aug. 1, 1965; lowest measured, 0.42 ft NGVD, Jan. 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 07...	1340	1.17	MAY 15...	1152	1.12
DEC 01...	1030	1.02	JUL 11...	1100	1.37
JAN 06...	1145	1.12	AUG 31...	1630	1.24
MAR 08...	1050	0.78	SEP 11...	1305	1.28
MAY 04...	1000	2.18			

WELL NUMBER.--285421082361602. Crystal River Deep Well at Crystal River, FL.

LOCATION.--Lat 28°54'21", long 82°36'16", in SE¼SE¼ sec.17, T.18 S., R.17 E., Hydrologic Unit 03100207, 3 ft west of U. S. Highway 19, and 0.2 mi north of Crystal River city limits.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 176 ft, cased to 162 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.94 ft above land-surface datum. Prior to Oct. 20, 1977, top of coupling, 2.66 ft above land-surface datum; Oct. 20, 1977, to July 10, 1979, top of flange, 2.87 ft above land-surface datum; July 10, 1979, to Sept. 16, 1982, top of male adaptor, 2.81 ft above land-surface datum.

DATUM.--Land-surface datum is 7.53 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface changed by highway construction.

PERIOD OF RECORD.--July 1964 to September 1977 (monthly), incomplete; October 1977 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.13 ft NGVD, Mar. 29, 1984; lowest measured, 0.25 ft below NGVD, June 2, 1972.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.79	2.61	2.24	2.09	2.00	2.08	2.34	2.59	2.10	2.12	2.45	1.60
10	2.04	2.60	1.49	2.53	1.67	1.23	2.16	1.51	2.39	2.00	2.14	2.25
15	1.56	2.11	1.85	1.32	2.03	1.61	2.42	2.11	2.69	2.25	2.30	2.05
20	2.07	2.72	1.62	1.23	1.88	3.29	2.14	2.17	1.91	2.05	2.55	1.47
25	2.37	2.93	.36	2.00	1.56	1.87	1.51	1.86	2.54	2.40	2.50	1.78
EOM	1.96	1.80	.56	2.06	2.15	1.49	2.20	1.52	3.09	2.70	1.62	2.05
MAX	2.84	2.93	2.59	2.82	3.16	4.13	2.91	3.12	3.09	2.84	2.70	2.25

WTR YR 1984 MAX 4.13

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CITRUS COUNTY

WELL NUMBER.--285720082201301. Local Number 857-220-01. ROMP Deep Well 116 near Tsala Apopka, FL.

LOCATION.--Lat 28°57'20", long 82°20'13", in NE¼SE¼NE¼ sec.32, T.18 S., R.20 E., Hydrologic Unit 03100208, 100 ft west of Tsala Apopka outfall canal at control structure S-353, and 2.3 mi northeast of Hernando.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 55 ft, cased to 39 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top edge of flange on casing, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 41.96 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1974, September 1976 to March 1977 (bimonthly), April 1977 to current year. Records of water levels prior to September 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 37.91 ft NGVD, Oct. 6, 1982; lowest, 30.99 ft NGVD, June 17,18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.86	34.20	34.21	35.22	34.68	35.10	34.89	35.83	---	35.09	35.03	34.63
10	34.72	34.20	33.83	35.14	34.30	34.78	35.24	34.89	---	34.83	34.77	34.12
15	35.13	33.92	34.49	35.13	34.92	34.66	35.18	34.14	33.86	34.61	34.65	33.79
20	34.88	34.30	34.43	35.33	35.00	34.42	34.81	34.56	33.52	35.04	34.81	33.77
25	34.77	34.26	34.24	35.08	35.34	34.20	34.50	34.83	34.44	34.67	35.16	33.47
EOM	34.21	34.50	35.17	35.02	35.44	34.17	33.80	---	35.06	35.15	34.75	34.18
MAX	35.13	34.50	35.17	35.37	35.53	35.33	35.30	---	---	35.15	35.29	34.68

CAL YR 1983 MAX 36.79

CITRUS COUNTY

WELL NUMBER.--285737082400601. Florida Power Corporation Well 3 near Crystal River, FL.

LOCATION.--Lat 28°57'37", long 82°40'06", in NW¼NW¼ sec.35, T.17 S., R.16 E., Hydrologic Unit 03100207, 2.5 mi west of U. S. Highway 19, and 4.5 mi northwest of Crystal River.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 88 ft, cased to 67 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 7.18 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.73 ft NGVD, Mar. 14, 1978; lowest measured, 1.47 ft NGVD, June 30, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 07...	1150	4.94	JUL 11...	1134	5.10
JAN 06...	1202	5.26	AUG 31...	1651	4.94
MAR 08...	1145	4.98	SEP 11...	1317	3.81
MAY 04...	1115	4.24			
14...	1204	4.99			

WELL NUMBER.--285737082413001. Florida Power Corporation Well 2 near Crystal River, FL.

LOCATION.--Lat 28°57'37", long 82°41'30", in NW¼NE¼ sec.33, T.17 S., R.16 E., Hydrologic Unit 03100207, 3.7 mi west of U. S. Highway 19, and 4.5 mi northwest of Crystal River.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 47 ft, cased to 42 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.90 ft above land-surface datum.

DATUM.--Land-surface datum is 4.66 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1966 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.56 ft NGVD, May 15, 1984; lowest measured, 1.23 ft NGVD, May 8, 1968.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 07...	1215	2.38	JUL 11...	1200	3.80
JAN 06...	1215	3.21	AUG 31...	1715	3.28
MAR 08...	1200	2.96	SEP 11...	1325	2.21
MAY 04...	1130	3.34			
15...	1215	4.56			

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	CITRUS					
284101082184301	84121801 21S20E04 OAK FOREST SUBMERSIBLE	28 41 01	082 18 43	01	84-05-17 84-09-12	33.43 34.50
284519082150701	84521501 20S21E07 HOMER N FISHER	28 45 19	082 15 07	01	84-05-17 84-09-12	41.86 41.49
284528082211801	84522101 20S19E12 WSF-MUTUAL MINE REC AREA	28 45 28	082 21 18	01	84-05-17 84-09-12	19.40 22.63
284752082202501	84722001 19S20E31 HIGHLANDS VFD NR INVERNESS	28 47 52	082 20 25	01	84-05-17 84-09-12	24.28 24.47
284805082225701	84822201 19S19E26 WSF-HOLDER MINE REC AREA	28 48 05	082 22 57	01	84-05-17 84-09-12	16.11 16.73
284844082282801	84822801 19S18E22 WSF-PERRYMAN TRACT	28 48 44	082 28 28	01	84-05-17 84-09-12	8.60 8.98
284852082162301	84821601 19S20E23 7 LAKES PARK ENTRANCE	28 48 52	082 16 23	01	84-05-17 84-09-12	40.67 41.19
284940082291901	LEN YOUNG D. WELL NR LECANTO, FL	28 49 40	082 29 19	01	84-05-15 84-09-11	5.60 7.86
284958082190401	84921901 19S20E16 CITRUS 8 U S GEOL SURVEY	28 49 58	082 19 04	01	84-05-17 84-09-12	38.79 37.77
285026082174101	85021701 19S20E15 CITRUS 9 U S GEOL SURVEY	28 50 26	082 17 41	01	84-05-17 84-09-12	40.31 39.30
285037082213801	85022101 19S19E12 INVERNESS VILLAGE EASTW	28 50 37	082 21 38	01	84-05-17 84-09-12	26.17 26.60
285056082163001	85021601 19S20E11 CITRUS 10 U S GEOL SURVEY	28 50 56	082 16 30	01	84-05-17 84-09-12	39.30 38.38
285105082135802	USGS WELL 0.7MI.W OF WITH.R. ON SR 44.47FT N RD	28 51 01	082 13 58	02	84-05-17 84-09-12	40.79 38.87
285248082183201	85221801 18S20E33 ELMER HEATH	28 52 48	082 18 32	01	84-05-17 84-09-12	40.05 39.02
285514082275402	85522704 18S18E14 BEVERLY HILLS WELL 6-T	28 55 14	082 27 54	02	84-05-17 84-09-12	6.11 6.64
285612082294201	85622901 18S18E04 PINE RIDGE NO 3	28 56 12	082 29 42	01	84-05-17	5.84
285622082272301	85622701 18S18E02 DELTONA OLD HOMESTEAD WELL	28 56 22	082 27 23	01	84-05-17	7.01
285714082285601	85722801 17S18E34 DELTONA "99" WELL NR CIT SPGS	28 57 14	082 28 56	01	84-05-17	7.09
285812082360901	85823601 17S17E29 CE 7 U S GEOL SURVEY	28 58 12	082 36 09	01	84-05-16 84-09-12	13.80 13.68
285833082233301	85822301 17S19E34 CE 16	28 58 03	082 23 31	01	84-05-16 84-09-12	15.81 17.00
285930082283702	85922803 17S18E22 CITRUS SPRINGS RECORDER	28 59 30	082 28 37	02	84-05-17 84-09-11	9.73 11.69
285935082324501	85923201 17S17E24 MELODY JOHNSON	28 59 35	082 32 45	01	84-05-16 84-09-12	8.92 10.52
285951082350901	85923501 17S17E15 CE 6 U S GEOL SURVEY	28 59 51	082 35 09	01	84-05-16 84-09-12	20.59 21.84
290023082393601	90023901 17S16E11 CE 89 U S GEOL SURVEY	29 00 23	082 39 36	01	84-05-16 84-09-12	15.37 12.00
290041082265101	90022601 17S18E12 SECTION 12 MINE WELL	29 00 41	082 26 51	01	84-05-16 84-09-11	13.33 15.31
290107082400501	90124001 17S16E11 CE 88 U S GEOL SURVEY	29 01 07	082 40 05	01	84-05-16 84-09-12	4.94 3.77
290132082324201	90123202 17S17E01 EMORY COWART HOUSE WELL	29 01 32	082 32 42	01	84-05-16 84-09-12	21.74 22.59
290216082292001	90222901 16S18E33 CE 77 U S GEOL SURVEY	29 02 16	082 29 20	01	84-05-16 84-09-12	15.56 18.03

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

CITRUS COUNTY

284317082330601 - CHASSAHOWITZKA WELL 1 NR CHASSAHOWITZKA, FLA (LAT 28 43 17 LONG 082 33 06)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
03...	0803	285	295	24.0	--	9.0
AUG						
30...	1225	300	296	24.0	--	8.5

284803082351701 - NORRIS WELL AT HOMOSASSA SPRINGS,FL. (LAT 28 48 03 LONG 082 35 17)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
04...	1130	450	434	--	--	67
JAN , 1984						
06...	0841	365	--	--	--	--
MAR						
07...	1101	450	470	--	--	71
MAY						
03...	0840	435	445	--	--	65
JUL						
10...	1142	430	430	--	--	57
AUG						
30...	1307	430	427	--	--	58

285020082365301 - OZELLO WELL 3 NR CRYSTAL RIVER, FLA (LAT 28 50 20 LONG 082 36 53)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
07...	1027	8500	9000	23.0	--	2900
JAN , 1984						
06...	0944	8600	8900	21.5	--	2800
MAR						
08...	0910	--	8800	21.0	--	2700
MAY						
03...	1015	8450	8300	23.0	--	2700
JUL						
11...	0930	9000	9000	22.5	--	2800
AUG						
30...	1423	9500	9100	23.0	--	2800

285102082361001 - OZELLO WELL 4 NR CRYSTAL RIVER, FLA (LAT 28 51 02 LONG 082 36 10)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
07...	1007	1250	1350	24.0	--	330
JAN , 1984						
06...	0916	1500	1420	22.5	--	350
MAR						
08...	0930	--	1480	22.0	--	370
MAY						
03...	0945	1450	1420	22.5	--	330
JUL						
11...	0910	1500	1450	23.0	--	350
AUG						
30...	1351	1400	1350	24.5	--	280

285112082354401 - ROMP TR 21-2 DEEP WELL NR HOMOSASSA SPRINGS, FL (LAT 28 51 12 LONG 082 35 44)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
03...	0913	1060	1080	23.5	29	240
AUG						
30...	1331	1150	1110	24.5	28	240

285234082341901 - ROMP TR 21-3 DEEP WELL NEAR CRYSTAL RIVER, FL (LAT 28 52 34 LONG 082 34 19)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
04...	0835	1650	1700	23.5	4.8	120
AUG						
31...	1412	1680	1740	28.5	6.0	120

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

CITRUS COUNTY--Continued

285421082361601 - CRYSTAL RIVER S. WELL NR CRYSTAL RIVER,FL (LAT 28 54 21 LONG 082 36 16)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC , 1983 01...	1030	580	600	23.0	--	44
JAN , 1984 06...	1145	650	650	21.0	--	55
MAR 08...	1050	590	650	20.5	--	55
MAY 04...	1000	710	710	22.5	--	77
JUL 11...	1100	620	600	22.5	--	47
AUG 31...	1630	660	644	23.5	--	49

285421082361602 - CRYSTAL RIVER D. WELL NR CRYSTAL RIVER,FL (LAT 28 54 21 LONG 082 36 16)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC , 1983 01...	0954	1950	2230	21.0	--	640
JAN , 1984 06...	1122	--	2200	22.0	--	680
MAR 08...	1057	2800	3150	22.5	--	940
MAY 04...	1009	3450	3500	23.0	--	1100
JUL 11...	1042	2650	2670	22.5	--	760
AUG 31...	1545	8000	7710	23.5	--	2300

285737082400601 - FPC WELL 3 NR CRYSTAL RIVER,FL (LAT 28 57 37 LONG 082 40 06)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983 07...	1150	--	463	21.5	--	22
JAN , 1984 06...	1202	--	440	21.5	--	17
MAR 08...	1145	--	415	21.5	--	15
MAY 04...	1115	375	374	22.0	--	17
JUL 11...	1134	450	435	22.0	--	15
AUG 31...	1651	480	465	22.5	--	15

285737082413001 - FPC WELL 2 NR CRYSTAL RIVER,FL (LAT 28 57 37 LONG 082 41 30)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983 07...	1215	1200	1060	21.0	--	230
JAN , 1984 06...	1215	1000	940	20.0	--	220
MAR 08...	1200	1100	1120	21.0	--	180
MAY 04...	1130	875	870	24.0	--	200
JUL 11...	1200	1200	1190	23.5	--	210
AUG 31...	1715	1750	1750	23.0	--	340

CITRUS COUNTY--Continued

290216082292001 - 90222901 16S18E33 CE 77 U S GEOL SURVEY (LAT 29 02 16 LONG 082 29 20)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAY , 1984								
03...	1415	118	120	8.1	24.5	1.2	350	3.5
SEP								
07...	0845	--	177	--	--	1.0	K80	3.7

290216082292001 - 90222901 16S18E33 CE 77 U S GEOL SURVEY (LAT 29 02 16 LONG 082 29 20)

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY , 1984							
03...	<.010	.08	.060	.08	<.020	<.010	.50
SEP							
07...	.010	.43	.020	.07	.040	.020	.70

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 5

DE SOTO COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	270410081565201	46
2	270414081584701	46
3	271115081462701	47
3	271115081462702	47
3	271115081462703	48
5	271308081522601	49
5	271310081522701	49
5A	271610081565401	50
7	271743081374601	50
9	271757081493001	51
9	271757081493002	51
9	271757081493003	52
10	271937081365901	52
11	272012081482501	53

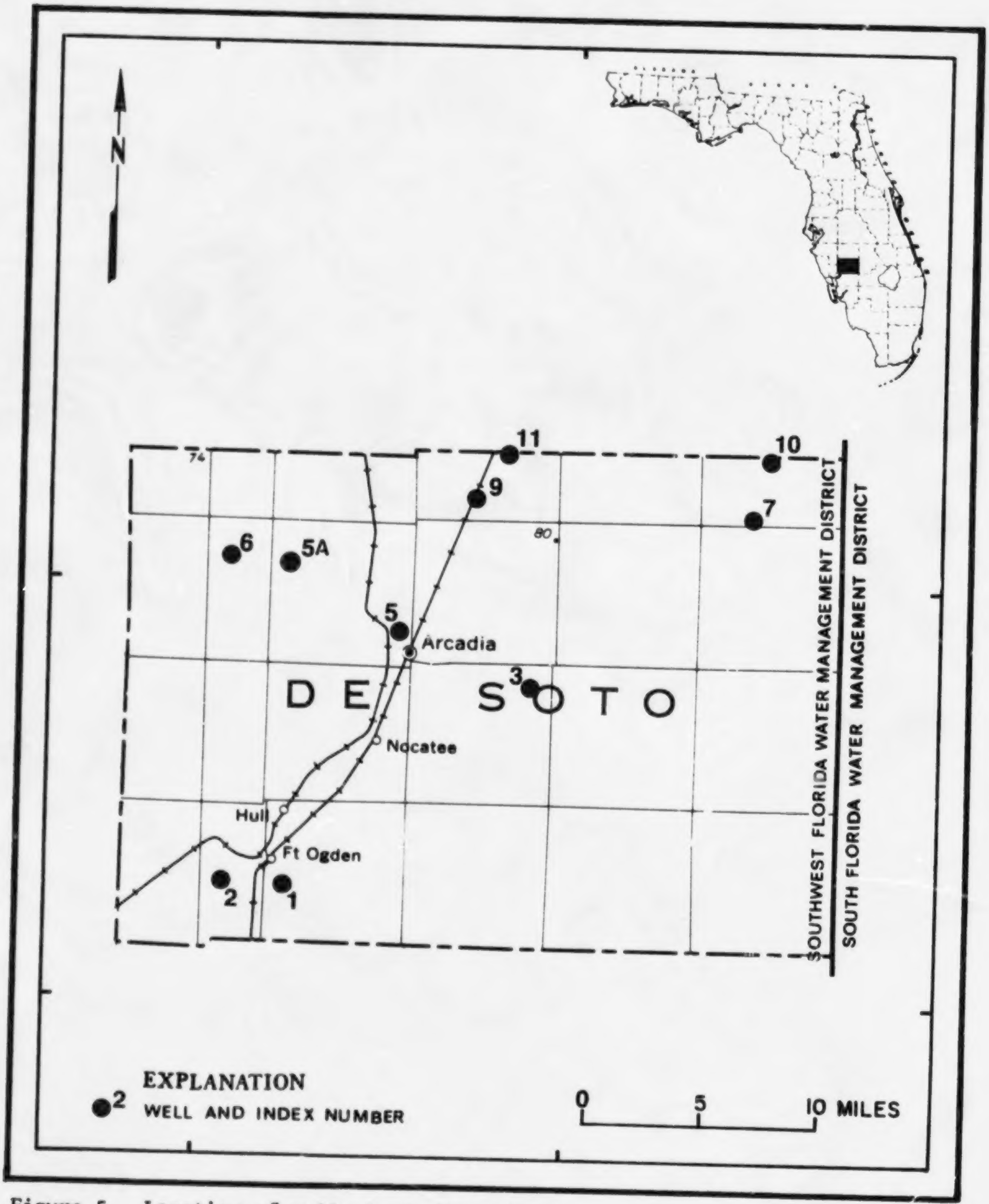
N
74
11
10
9
7
80
6
5A
5
Arcadia
3
DE SOTO
Nocatee
Hull
Ft Ogden
2
1
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
EXPLANATION
●2 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 5. Location of wells in De Soto County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DE SOTO COUNTY

WELL NUMBER.--270410081565201. Morgan Deep Well near Fort Ogden, FL.

LOCATION.--Lat 27°04'10", long 81°56'52", in NW¼SE¼ sec.19, T.39 S., R.24 E., Hydrologic Unit 03100101, 0.6 mi east of U. S. Highway 17, and 1.8 mi southeast of Fort Ogden.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in, depth 1,100 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 6 in tee, 1.5 ft above land-surface datum.

DATUM.--Land-surface datum is 38.53 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982, land-surface datum was considered to be 33 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--March 1970 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1982 are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +5.53 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.12 ft NGVD, Sept. 27, 1978; lowest measured, 35.61 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1144	47.47	MAY 07...	1322	43.63
DEC 15...	1212	47.06	JUN 06...	1658	45.49
FEB 16...	1508	46.14	AUG 13...	1547	47.35
MAR 27...	1504	47.60	SEP 12...	1452	46.97

WELL NUMBER.--270414081584701. Lettuce Lake Well near Fort Ogden, FL.

LOCATION.--Lat 27°04'14", long 81°58'47", in NW¼SE¼ sec.23, T.39 S., R.23 E., Hydrologic Unit 03100101, 300 ft west of Lettuce Lake Road, 0.4 mi south of State Highway 761, and 2.0 mi southwest of Fort Ogden.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 16 in, depth 1,190 ft, cased to 105 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of flange, 3.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 21 ft, from topographic map.

PERIOD OF RECORD.--January 1975 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.11 ft NGVD, Sept. 27, 1978; lowest measured, 41.79 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1202	48.37	MAY 07...	1305	44.97
DEC 15...	1225	49.53	JUN 06...	1708	46.98
FEB 16...	1520	48.83	AUG 13...	1530	50.22
MAR 27...	1448	49.87	SEP 12...	1433	49.06

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DE SOTO COUNTY

WELL NUMBER.--271115081462701. ROMP 16 Ocala Well near Arcadia, FL.

LOCATION.--Lat 27°11'15", long 81°46'27", in SW¼NW¼ sec.12, T.38 S., R.25 E., Hydrologic Unit 03100101, on County Road (corrected) 760, 1.5 mi south of State Highway 70, and 5.7 mi southeast of Arcadia.

AQUIFER.--Ocala Group of Eocene Age, Geologic Unit 124 OCAL.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in, depth 942 ft, cased to 757 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 5.31 ft above land-surface datum.

DATUM.--Land-surface datum is 64.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.97 ft NGVD, Mar. 17, 1983; lowest, 39.63 ft NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.38	49.18	49.75	49.59	49.79	49.74	49.86	47.16	48.22	49.33	50.19	50.13
10	50.12	49.89	49.26	49.96	47.75	49.58	50.16	47.06	47.01	49.55	50.29	50.12
15	50.09	50.15	49.95	50.01	48.95	49.78	50.20	47.06	46.74	49.69	50.23	49.49
20	50.35	50.13	50.16	49.93	49.26	50.20	49.96	46.09	48.04	49.87	50.22	49.81
25	50.36	50.27	49.81	50.15	49 58	50.19	49.85	46.92	48.83	50.01	50.19	49.75
EOM	50.00	50.13	48.73	50.06	49.73	50.03	48.92	48.19	49.14	50.17	50.10	49.48
MAX	50.43	50.38	50.17	50.18	49.87	50.50	50.20	48.53	49.14	50.17	50.29	50.17

WTR YR 1984 MAX 50.50

WELL NUMBER.--271115081462702. ROMP 16 Hawthorn Well near Arcadia, FL.

LOCATION.--Lat 27°11'15", long 81°46'27", in SW¼NW¼ sec.12, T.38 S., R.25 E., Hydrologic Unit 03100101, on State Highway 760, 1.5 mi south of State Highway 70, and 5.7 mi southeast of Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 340 ft, cased to 300 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 5.06 ft above land-surface datum.

DATUM.--Land-surface datum is 64.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1980 to September 1983; October 1983 to September 1984 (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.62 ft NGVD, Mar. 17, 1983; lowest, 29.43 ft NGVD, May 17, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 04...	1223	50.94	MAR 27...	1656	50.86
DEC 13...	1752	50.01	JUN 05...	1722	46.77
FEB 14...	1824	48.11	AUG 14...	0805	50.80

DE SOTO COUNTY

WELL NUMBER.--271115081462703. ROMP 16 Shallow Well near Arcadia, FL.

LOCATION.--Lat 27°11'15", long 81°46'27", in SW¼NW¼ sec.12, T.38 S., R.25 E., Hydrologic Unit 03100101, on County Road (corrected) 760, 1.5 mi south of State Highway 70, and 5.7 mi southeast of Arcadia.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 27 ft, cased to 17 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.84 ft above land-surface datum.

DATUM.--Land-surface datum is 64.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 64.01 ft NGVD, Mar. 13, 1984; lowest, 56.88 ft NGVD, Aug. 18, 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	62.63	60.81	60.82	62.04	60.88	62.66	62.41	60.45	60.74	61.46	61.45	62.50
10	61.47	61.98	60.64	61.91	60.68	61.70	62.56	61.93	60.42	61.44	61.00	62.10
15	62.72	61.25	62.43	61.33	61.89	63.41	62.52	60.97	60.20	60.96	60.62	61.53
20	62.28	61.98	62.23	61.54	61.24	62.79	61.41	60.54	60.24	60.98	60.28	61.39
25	61.41	61.45	61.55	61.18	63.12	62.87	61.09	61.30	60.20	61.40	63.31	60.99
EOM	61.00	61.00	62.88	61.00	63.30	61.44	60.74	60.92	60.20	62.19	62.60	61.24
MAX	63.38	62.10	62.94	62.79	63.77	64.01	62.56	62.03	60.82	62.20	63.31	62.50

WTR YR 1984 MAX 64.01

WELL NUMBER.--271308081522601. Arcadia Well 2 at Arcadia, FL.

LOCATION.--Lat 27°13'08", long 81°52'26", in NW¼NW¼ sec.36, T.37 S., R.24 E., Hydrologic Unit 03100101, 900 ft south of intersection State Highway 70 and Baldwin Avenue, and 0.9 mi west of U. S. Highway 17 in Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, unused municipal, artesian well, diameter 8 in, depth 372 ft, cased to 263 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 6 in valve, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 29.33 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 28 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--November 1970 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +1.33 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.45 ft NGVD, Sept. 27, 1978; lowest measured, 34.23 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	1454	49.06	MAR 26...	1328	48.95
DEC 13...	1355	48.72	JUN 05...	1222	45.71
FEB 14...	1340	47.21	SEP 05...	1026	48.83

WELL NUMBER.--271310081522701. Arcadia Well 1 at Arcadia, FL.

LOCATION.--Lat 27°13'10", long 81°52'27", in NW¼NW¼ sec.36, T.37 S., R.24 E., Hydrologic Unit 03100101, 190 ft south of intersection State Highway 70 and Parker Avenue, and 0.9 mi west of U. S. Highway 17 in Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, unused municipal, artesian well, diameter 10 in, depth 250 ft, cased to 84 ft.

INSTRUMENTATION.--Pressure gage or tape measured. Measuring point: Top of 4 in coupling, 1.55 ft above land-surface datum. Prior to Mar. 31, 1975, top of casing extension, 1.2 ft above land-surface datum.

DATUM.--Land-surface datum is 27.76 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 28 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--July 1970 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.24 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.06 ft NGVD, Sept. 15, 1971; lowest measured, 25.28 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	1447	34.23	MAR 26...	1322	35.19
DEC 13...	1350	33.94	JUN 05...	1212	32.82
FEB 14...	1333	33.16	AUG 13...	1340	34.67

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DE SOTO COUNTY

WELL NUMBER.--271610081565401. Cunningham Well near Pine Level, FL.

LOCATION.--Lat 27°16'12" (corrected), long 81°56'54", in SW¼SW¼ sec.7, T.37 S., R.23 E., Hydrologic Unit 03100101, 1.6 mi north of State Highway 70, 3.0 mi northeast of Pine Level, and 6.5 mi northwest of Arcadia.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 1,040 ft, cased to 350 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.0 ft above land-surface datum.

DATUM.--Land-surface datum is 59.85 ft National Geodetic Vertical Datum of 1929 (from private corporation).

PERIOD OF RECORD.--February 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 49.27 ft NGVD, Mar. 17, 1983; lowest, 39.74 ft NGVD, May 30, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.87	47.74	48.45	47.50	48.29	47.74	47.54	45.16	44.41	46.31	48.16	47.70
10	48.60	47.71	47.99	48.22	45.91	47.51	47.61	43.81	43.20	46.70	48.38	47.29
15	48.33	48.01	48.25	48.48	46.50	47.51	47.61	44.16	42.57	46.97	48.35	46.59
20	48.57	48.23	48.50	48.48	47.10	47.90	47.46	42.50	44.07	47.35	48.18	46.52
25	48.61	48.30	48.53	48.67	47.47	47.91	47.41	42.54	45.09	47.68	48.12	46.75
EOM	48.28	48.40	46.27	48.69	47.66	47.84	46.76	44.09	45.69	48.02	48.12	46.49
MAX	48.93	48.46	48.61	48.77	48.57	48.19	47.79	46.41	45.69	48.02	48.39	47.96

WTR YR 1984 MAX 48.93

WELL NUMBER.--271743081374601. Tropical River Groves Deep Well near Arcadia, FL.

LOCATION.--Lat 27°17'43", long 81°37'46", in NE¼NE¼ sec.5, T.37 S., R.27 E., Hydrologic Unit 03100101, 6.0 mi north of State Highway 70, and 14.0 mi east of Arcadia.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 12 in, depth 698 ft, cased to 137 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 89.72 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 89 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1970 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations of data published prior to this date may be obtained by using datum correction of +0.72 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 54.86 ft NGVD, Oct. 15, 1970; lowest, 23.20 ft NGVD, May 19, 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.74	35.72	36.45	50.01	50.12	50.19	50.18	32.47	48.55	49.56	50.49	50.49
10	50.27	50.21	35.86	50.42	47.74	50.09	50.56	32.95	31.71	49.79	50.58	50.47
15	50.43	50.47	50.25	50.43	49.16	50.26	50.55	44.11	46.47	49.93	50.54	49.70
20	50.75	37.69	50.40	50.34	49.55	50.61	50.37	30.43	48.03	50.19	50.56	50.08
25	50.72	50.65	34.60	50.50	49.95	50.66	50.07	46.58	48.84	50.30	50.42	49.15
EOM	50.11	37.37	49.20	50.23	50.12	50.34	48.74	48.20	49.26	50.45	50.45	49.30
MAX	50.81	50.83	50.40	50.58	50.30	50.88	50.57	48.20	49.26	50.45	50.60	50.50

WTR YR 1984 HIGH 50.88 MAR 28

DE SOTO COUNTY

WELL NUMBER.--271757081493001. ROMP 26 Shallow Well near Gardner, FL.

LOCATION.--Lat 27°17'57", long 81°49'30", in SW¼SW¼ sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 235 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in, depth 15 ft, cased to 10 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.70 ft (corrected) above land-surface datum. See REMARKS

DATUM.--Land-surface datum is 75.37 ft (corrected) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 77 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Measuring point distances above land-surface datum prior to Oct. 1, 1983, are in error. Corrections applied to water level elevations are defined in PERIOD OF RECORD.

PERIOD OF RECORD.--August 1976 to February 1978 (monthly); March 1978 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1983, are in error. Correct elevations for data published prior to this date may be obtained by using datum corrections of -2.08 ft (corrected) August 1976 to Sept. 30, 1980, and +1.00 ft Oct. 1, 1980, to Sept. 30, 1983. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.11 ft (corrected) NGVD, June 20, 1982; lowest, 67.99 ft (corrected) NGVD, Nov. 3, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	71.58	70.39	70.19	71.56	70.66	71.66	71.62	70.27	69.51	71.09	71.87	70.46
10	71.11	70.65	70.05	71.31	70.51	71.30	71.39	70.19	69.32	70.88	71.62	70.30
15	71.07	70.42	70.79	71.17	70.70	72.45	71.24	69.93	69.19	71.27	71.10	70.07
20	71.19	70.36	71.78	71.09	70.52	71.84	71.03	69.73	70.46	71.96	70.78	69.89
25	70.84	70.53	71.49	70.98	71.38	71.96	70.81	69.74	70.23	72.36	71.20	69.68
EOM	70.54	70.31	71.91	70.80	72.03	71.36	70.53	69.69	70.31	72.15	70.65	69.60
MAX	71.83	70.66	71.91	71.84	72.03	72.71	71.62	70.47	70.46	72.58	72.26	70.60

WTR YR 1984 HIGH 72.71 MAR 13

WELL NUMBER.--271757081493002. ROMP 26 Avon Park Well near Gardner, FL.

LOCATION.--Lat 27°17'57", long 81°49'30", in SW¼SW¼ sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 235 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in, depth 1,320 ft, cased to 580 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.59 ft above land-surface datum.

DATUM.--Land-surface datum is 75.28 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 77 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--March 1978 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1980, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -2.03 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.28 ft NGVD, Oct. 5, 1979; lowest, 29.83 ft NGVD, May 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.73	47.40	49.60	49.07	48.50	49.35	49.10	44.50	45.38	47.62	49.57	48.46
10	50.03	49.00	48.10	49.57	45.49	49.14	49.62	44.65	43.39	48.03	49.84	48.43
15	49.81	49.50	49.66	49.89	47.72	49.24	49.64	44.49	42.45	48.31	49.70	46.18
20	50.38	49.60	50.11	49.17	48.43	49.63	49.51	42.28	45.39	48.74	49.14	48.04
25	50.51	49.80	48.96	50.09	48.87	49.74	49.15	43.87	46.55	49.06	49.90	47.42
EOM	49.98	49.90	47.33	49.83	49.22	49.71	47.27	45.71	47.12	49.41	49.20	47.87
MAX	50.76	50.00	50.23	50.15	49.59	50.07	49.64	46.40	47.12	49.41	50.00	49.10

WTR YR 1984 MAX 50.76

NOTE.--Record estimated Nov. 1 to Dec. 13.

DE SOTO COUNTY

WELL NUMBER.--271757081493003. ROMP 26 Hawthorn Well near Gardner, FL.

LOCATION.--Lat 27°17'57", long 81°45'30", in SW¼SW¼ sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in, depth 180 ft, cased to 140 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.58 ft above land-surface datum.

DATUM.--Land-surface datum is 75.84 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 77 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--March 1978 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1980, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.98 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.17 ft NGVD, Oct. 1, 1979; lowest, 17.17 ft NGVD, May 14, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.07	46.56	49.10	48.18	47.76	48.70	48.46	42.80	41.36	47.09	49.11	47.61
10	49.51	48.24	47.57	48.76	43.11	48.55	49.07	43.31	41.86	47.41	49.33	46.98
15	49.03	48.94	48.92	49.15	46.58	48.61	49.02	40.95	40.84	47.78	48.89	43.79
20	49.59	48.97	49.48	48.38	47.57	48.78	49.05	40.92	44.44	48.26	48.54	46.91
25	49.79	49.27	41.20	49.31	48.13	49.13	48.13	43.00	45.80	48.59	49.23	45.52
EOM	49.15	49.35	46.18	49.18	48.53	49.23	46.43	44.97	46.50	48.95	48.68	46.94
MAX	50.09	49.42	49.58	49.44	48.58	49.49	49.07	44.97	46.50	48.95	49.35	48.65

WTR YR 1984 MAX 50.09

WELL NUMBER.--271937081365901. Scarborough Deep Well near Crewsville, FL.

LOCATION.--Lat 27°19'37", long 81°36'59", in SE¼SE¼ sec.21, T.36 S., R.27 E., Hydrologic Unit 03100101, 0.9 mi south of De Soto-Hardee County line, and 7.4 mi southeast of Crewsville.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 8 in, depth 1,350 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in pump base, 1.58 ft above land-surface datum. Prior to Apr. 1, 1976, top of casing, 0.5 ft above land-surface datum; Apr. 1, 1976, to May 19, 1981, lower inside lip of flange on end of 6 in discharge outlet, 1.4 ft above land-surface datum; May 19, 1981, to Dec. 12, 1982, top of 10 in flange level with concrete base, 1.15 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 85 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--August 1972 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.65 ft NGVD, Nov. 10, 1972; lowest measured, 26.00 ft NGVD, May 19, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 04...	1443	50.50	MAY 07...	2040	44.24
DEC 14...	1618	49.11	JUN 06...	1245	45.24
FEB 15...	1252	47.21	AUG 14...	1700	49.23
MAR 27...	1155	49.52	SEP 12...	1743	49.17

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DE SOTO COUNTY

WELL NUMBER.--272012081482501. Marshall Deep Well near Gardner, FL.

LOCATION.--Lat 27°20'12", long 81°48'25", in NW¼NW¼ sec.22, T.36 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of U. S. Highway 17, and 1.0 mi south of Gardner.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 5 in, depth 478 ft, cased to 137 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.12 ft above land-surface datum.

DATUM.--Land-surface datum is 62.53 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--November 1962 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.24 ft NGVD, Mar. 5, 1964; lowest, 18.52 ft NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.18	47.53	48.80	46.26	47.74	47.30	47.30	43.51	40.33	42.79	46.41	46.56
10	49.89	48.03	47.70	47.04	45.14	47.09	47.73	41.70	39.30	43.42	46.92	45.99
15	49.13	48.32	48.24	47.71	45.56	47.29	47.75	41.16	38.39	43.87	47.25	44.68
20	49.48	48.39	48.73	47.74	46.19	47.87	47.65	39.20	39.74	44.67	47.40	44.33
25	49.36	48.68	49.00	48.44	46.26	48.04	47.05	39.07	41.16	45.26	47.53	43.81
EOM	48.85	48.74	45.07	48.14	46.81	47.88	45.93	40.41	41.97	45.92	47.83	43.72
MAX	50.23	48.80	49.05	48.59	48.11	48.27	47.75	45.31	41.97	45.92	47.84	47.70

WTR YR 1984 MAX 50.23

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
	DE SOTO					
270325081484701	NAT WOLF CORP IRR WELL NR ARCADIA,FL	27 03 25	081 48 47	01	84-05-09 84-09-13	47.48 49.80
270433081432301	HALL PINE IS WELL NR ARCADIA	27 04 33	081 43 23	01	84-05-08 84-09-13	46.03 48.60
270554082003601	GEN DEV CORP AVON PK WELL NR FT. ODGEN	27 05 54	082 00 36	01	84-05-07 84-09-12	47.52 49.49
270554082003602	GEN DEV CORP D. WELL NR FT. ODGEN	27 05 54	082 00 36	02	84-05-07 84-09-12	47.06 49.49
270637081545501	WELLS FRUIT CO D. WELL NR FT. ODGEN	27 06 37	081 54 55	01	84-05-07	45.69
270854081454001	PARKER FARMS D. WELL NR ARCADIA	27 08 54	081 45 40	01	84-09-13	49.16
270944081454501	WELL 709 145 4445	27 09 44	081 45 45	01	84-05-08	47.19
270958081554101	WELLES FRUIT CO. D. WELL NR ARCADIA	27 09 58	081 55 41	01	84-05-07 84-09-12	46.53 51.15
271135081372501	BRIGHT HOUR RANCH IRR WELL NR ARCADIA	27 11 35	081 37 25	01	84-09-13	49.99
271141081540701	#15A NR ARCADIA,FL	27 11 41	081 54 07	01	84-05-07 84-09-12	45.86 48.87
271213082023801	AMAX MW-4 DP W/O ARCADIA	27 12 13	082 02 38	01	84-05-18 84-09-14	41.36 44.41
271246081432201	PINDER WELL NR ARCADIA, FLA	27 12 46	081 43 22	01	84-05-08 84-09-13	47.58 50.84
271355082012601	AMAX MW-5 DP W/O ARCADIA	27 13 55	082 01 26	01	84-05-18 84-09-14	41.27 44.77
271405081453201	BEVIS D. IRR WELL NR ARCADIA	27 14 05	081 45 32	01	84-05-08 84-09-13	49.54 50.99
271416081374601	TRG WELL NO.14 NR ARCADIA,FLA	27 14 16	081 37 46	01	84-09-13	52.92
271416081394301	TRG WELL 02 NR ARCADIA,FL	27 14 16	081 39 43	01	84-05-08 84-09-13	40.62 48.57
271417081344801	TRG WELL NO.32 NR ARCADIA,FLA	27 14 17	081 34 48	01	84-05-08 84-09-13	43.48 46.32
271438081513801	J.C.GARRARD	27 14 38	081 51 38	01	84-05-07 84-09-14	44.18 45.58
271459082032201	MURDOCK NE QUAD	27 14 59	082 03 22	01	84-05-18 84-09-14	37.41 41.61
271559081420801	ALBRITTON BROS IRR WELL NR ARCADIA	27 15 59	081 42 08	01	84-05-08 84-09-13	44.87 49.34
271601081335001	TRG WELL NO.40 NR ARCADIA,FLA	27 16 01	081 33 50	01	84-05-08	46.65
271601081364601	TRG WELL NO. 22 NR ARCADIA, FLA.	27 16 01	081 36 46	01	84-09-13	49.35
271621081545801	J.K. BERTSCHER IRR WELL NR ARCADIA	27 16 21	081 54 58	01	84-05-08	43.24
271653081464701	J.W. CONGER IRR WELL NR ARCADIA	27 16 53	081 46 47	01	84-05-07 84-09-14	43.48 47.15
271720081521501	SORRELLS BROS #8 NR ARCADIA,FL	27 17 20	081 52 15	01	84-05-16	46.12
271748081345101	TRG WELL NO.36 NR ARCADIA,FLA	27 17 48	081 34 51	01	84-05-08 84-09-13	39.21 48.54
271825081585701	DUPREE BROS IRR WELL NR PINE LEVEL	27 18 25	081 58 57	01	84-05-07 84-09-12	33.32 40.04
271837081443601	FP&L DP NR ARCADIA	27 18 37	081 44 36	01	84-09-14	47.32
271854082012001	BETHEL D. IRR WELL NR PINE LEVEL	27 18 54	082 01 20	01	84-05-07 84-09-12	27.12 35.02

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 6

HARDEE COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	272714081545901	57
1	272714081545902	57
1	272714081545903	58
2A	272728081474701	58
2A	272728081474702	59
2A	272728081474703	59
2	272924081395801	60
5	273156081451401	60

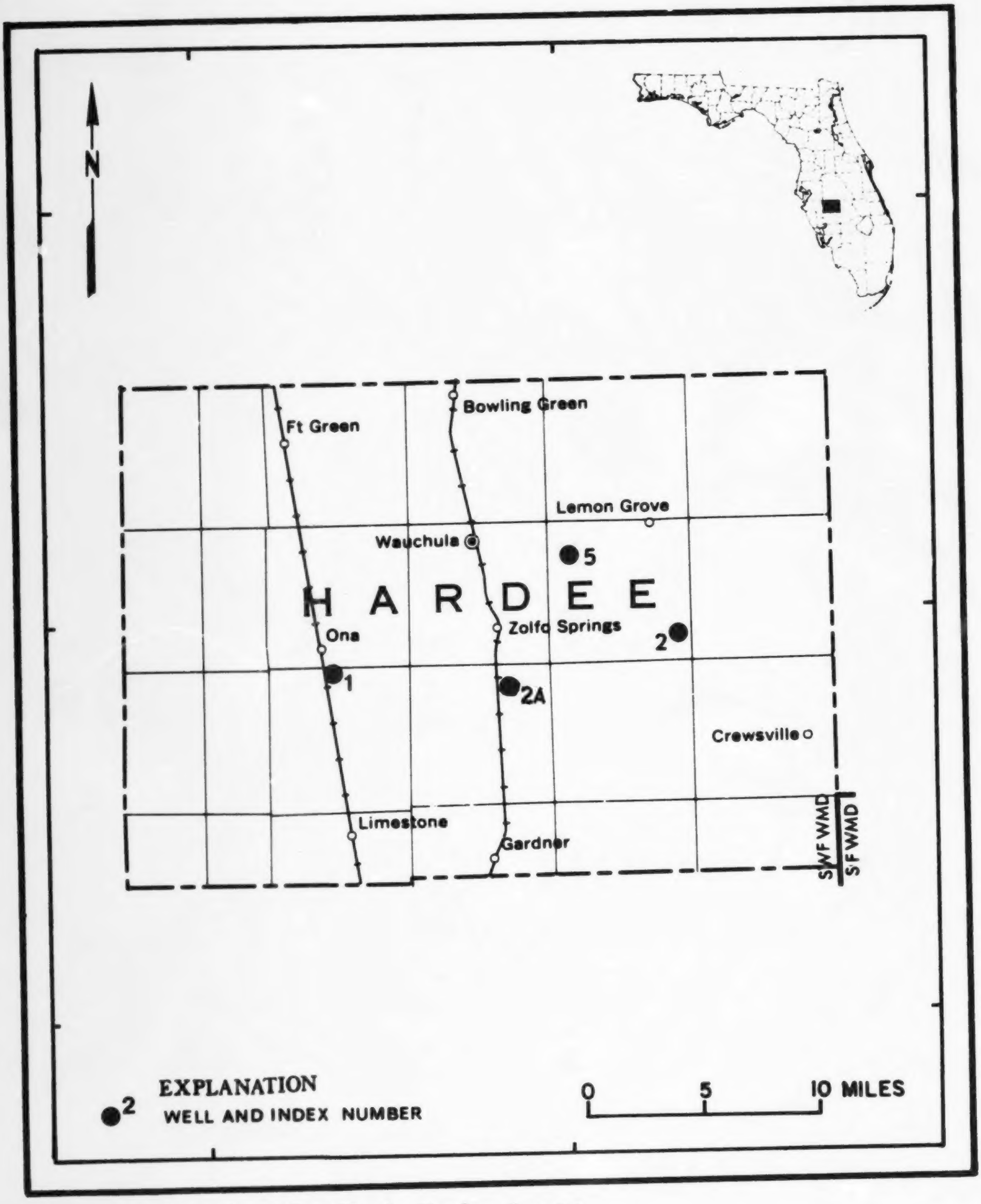
N
Bowling Green
Ft Green
Lemon Grove
Wauchula
5
HARDEE
Zolfo Springs
2
Ona
1
2A
Crewsville
Limestone
Gardner
SWFWMD
SFWMD
EXPLANATION
2
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 6. Location of wells in Hardee County

HARDEE COUNTY

WELL NUMBER.--272714081545901. ROMP 31 Avon Park Well near Ona, FL.

LOCATION.--Lat 27°27'14", long 81°54'59", in NE¼NW¼ sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,152 ft, cased to 460 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 78.09 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 56.65 ft NGVD, Oct. 15, 1982; lowest, 10.45 ft NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.61	53.53	53.34	51.17	53.93	50.41	49.89	44.52	37.70	41.53	48.12	50.60
10	54.95	52.92	53.28	52.10	50.48	50.24	49.65	41.29	37.00	42.81	49.01	50.50
15	54.24	52.89	53.79	52.67	50.21	49.77	49.69	38.35	36.90	43.76	49.56	49.12
20	54.21	52.78	54.08	53.10	50.41	50.51	49.51	35.96	37.75	45.05	49.92	47.81
25	54.28	52.75	54.26	53.65	50.53	50.62	49.29	34.50	39.00	46.10	50.33	46.83
EOM	54.08	53.00	50.60	54.11	50.75	50.72	48.18	36.43	40.21	47.25	50.81	45.69
MAX	55.76	54.05	54.35	54.11	54.05	51.10	50.57	47.74	40.21	47.25	50.81	50.83

WTR YR 1984 HIGH 55.76 OCT 1 AND OTHERS

WELL NUMBER.--272714081545902. ROMP 31 Hawthorn Well near Ona, FL.

LOCATION.--Lat 27°27'14", long 81°54'59", in NE¼NW¼ sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 350 ft, cased to 130 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 78.41 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 58.37 ft NGVD, Oct. 15, 16, 1982, lowest, 11.49 ft NGVD, May 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.46	55.43	55.27	53.04	55.97	52.45	51.97	46.70	39.55	43.09	49.47	52.00
10	56.79	55.03	55.26	53.90	52.37	52.29	51.81	43.68	38.94	44.25	50.25	52.01
15	56.22	54.98	55.71	54.45	52.42	51.96	51.82	40.12	38.99	45.18	50.86	51.03
20	56.15	54.75	55.99	54.82	52.62	52.58	51.61	37.34	39.66	46.45	51.25	49.70
25	56.24	54.77	56.16	55.41	52.63	52.73	51.32	36.58	40.68	47.46	51.68	48.52
EOM	56.06	54.98	52.42	55.91	52.73	52.77	50.24	38.25	41.79	48.57	52.12	47.48
MAX	57.52	55.96	56.26	55.91	56.06	53.13	52.63	49.92	41.79	48.57	52.12	52.14

WTR YR 1984 HIGH 57.52 OCT 2

WELL NUMBER.--272714081545903. ROMP 31 Shallow Well near Ona, FL.

LOCATION.--Lat 27°27'14", long 81°54'59", in NE¼NW¼ sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 78.76 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--September 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 78.39 ft NGVD, Sept. 7, 1981; lowest, 70.74 ft NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.71	74.31	74.94	75.95	74.51	75.43	75.10	73.46	72.32	72.58	76.01	76.28
10	74.12	75.31	74.61	75.99	74.18	74.76	75.17	73.13	71.88	73.97	75.38	75.75
15	74.01	74.78	76.53	75.50	74.39	76.30	75.43	72.72	71.63	73.67	76.43	74.71
20	74.75	74.54	76.56	75.49	74.10	75.72	74.71	72.35	72.13	74.29	74.91	74.24
25	75.50	75.14	76.01	75.19	75.12	76.28	74.35	72.21	72.22	74.67	76.59	74.06
EOM	75.02	75.02	76.63	74.80	75.81	75.07	73.92	72.79	72.04	74.65	75.10	73.82
MAX	75.52	75.31	76.90	76.44	75.81	76.64	75.49	73.77	72.74	74.90	76.95	76.43

WTR YR 1984 HIGH 76.95 AUG 23

WELL NUMBER.--272728081474701. ROMP 30 Avon Park Well near Zolfo Springs, FL.

LOCATION.--Lat 27°27'28", long 81°47'47", in SW¼SE¼ sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in, depth 1,266 ft, cased to 380 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.50 ft above land-surface datum.

DATUM.--Land-surface datum is 66.73 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 59.54 ft NGVD, Oct. 15, 1982; lowest, 34.73 ft (estimated) NGVD, Jan. 17, 18, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.70	57.26	57.17	54.08	57.14	54.53	54.72	48.82	43.46	46.74	52.48	54.56
10	58.05	56.93	56.91	55.18	53.04	54.51	54.47	46.88	43.12	47.60	53.20	54.48
15	57.55	56.83	57.31	55.80	53.84	54.48	54.52	44.08	42.63	48.62	53.60	53.65
20	57.57	56.70	57.59	56.18	54.37	55.10	54.16	40.58	43.52	49.75	53.82	52.38
25	57.63	56.77	57.55	56.66	54.61	55.22	53.91	39.96	44.59	50.70	54.23	51.87
EOM	57.60	56.93	53.05	57.19	54.84	55.18	53.08	42.24	45.60	51.72	54.53	50.81
MAX	58.77	57.60	57.77	57.19	57.26	55.63	55.00	52.59	45.60	51.72	54.53	54.66

WTR YR 1984 HIGH 58.77 OCT 3

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HARDEE COUNTY

WELL NUMBER.--272728081474702. ROMP 30 Tampa Well near Zolfo Springs, FL.

LOCATION.--Lat 27°27'28", long 81°47'47", in SW¼SE¼ sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Tampa limestone formation of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in, depth 316 ft, cased to 280 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.11 ft above land-surface datum.

DATUM.--Land-surface datum is 66.73 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 57.34 ft NGVD, Apr. 19, 1983; lowest, 38.08 ft NGVD, Jan. 18, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.06	55.17	55.99	53.93	55.69	54.53	54.62	50.76	46.08	48.48	52.93	54.36
10	53.52	55.64	55.67	54.49	53.37	54.45	54.44	48.85	45.42	49.22	53.48	54.51
15	55.06	55.61	56.01	54.85	53.88	54.47	54.28	47.02	45.19	49.98	53.56	53.91
20	55.85	54.33	56.15	55.09	54.22	54.78	53.94	43.49	46.05	50.77	53.74	53.11
25	55.32	55.59	56.30	55.38	54.54	55.00	53.79	42.98	46.97	51.50	54.18	52.36
EOM	56.01	55.71	53.33	55.59	54.75	54.82	53.33	45.25	47.58	52.30	54.23	51.96
MAX	56.82	56.04	56.39	55.63	55.69	55.17	54.66	53.04	47.58	52.30	54.39	54.51

WTR YR 1984 MAX 56.82

WELL NUMBER.--272728081474703. ROMP 30 Shallow Well near Zolfo Springs, FL.

LOCATION.--Lat 27°27'28", long 82°47'47", in SW¼SE¼ sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in, depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.12 ft above land-surface datum.

DATUM.--Land-surface datum is 66.73 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 66.92 ft NGVD, June 20, 1982; lowest, 62.45 ft (estimated) NGVD, Dec. 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	64.35	64.27	64.27	64.95	64.00	64.62	64.42	63.24	63.88	64.50	66.39	64.38
10	64.04	65.08	64.06	65.20	64.12	64.21	64.75	63.25	63.49	64.01	65.61	63.98
15	64.25	64.40	65.90	64.68	64.90	65.36	64.68	62.97	63.23	64.53	64.53	63.70
20	63.96	65.13	65.61	64.81	64.34	64.45	64.03	62.77	64.32	65.74	64.23	63.81
25	66.01	65.09	64.93	64.40	65.08	64.85	64.05	64.61	64.52	65.56	66.08	63.42
EOM	64.61	64.68	65.73	64.12	65.51	64.00	63.50	64.75	63.77	65.01	64.56	64.03
MAX	66.05	65.50	66.18	65.48	66.08	66.30	64.75	65.13	64.59	66.21	66.54	64.44

WTR YR 1984 HIGH 66.54 AUG 23

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HARDEE COUNTY

WELL NUMBER.--272924081395801. Hass Bryan Road Well near Zolfo Springs, FL.

LOCATION.--Lat 27°29'24", long 81°39'58", in NE¼NE¼ sec.25, T.34 S., R.26 E., Hydrologic Unit 03100101, 0.7 mi south of State Highway 636, and 8.0 mi east of Zolfo Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 10 in.

INSTRUMENTATION.--Tape measured. Measuring point: Bottom edge of flange, 0.20 ft above land-surface datum. See WRD FL-81-3B for history of changes prior to Oct. 1, 1981; Oct. 1, 1981, to Sept. 30, 1983, end of 8 in flange, 2.68 ft above land-surface datum. See REMARKS.

DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Actual measuring point is changed frequently by addition of pipe by well owner. See Station Analyses for individual readings. See INSTRUMENTATION.

PERIOD OF RECORD.--January 1970 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.02 ft NGVD, Sept. 20, 1979; lowest measured, 38.86 ft NGVD, May 22, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
02...	1410	76.05	15...	1410	63.02
JAN			JUL		
11...	1645	73.43	10...	1545	68.86
MAR			SEP		
06...	1355	73.90	11...	1058	72.95
MAY			12...	1600	72.57
09...	1015	64.05			

WELL NUMBER.--273156081451401. Rowell Deep Well near Wauchula, FL.

LOCATION.--Lat 27°31'56", long 81°45'14", in SE¼SW¼ sec.7, T.34 S., R.26 S., Hydrologic Unit 03100101, 0.5 mi south of State Highway 652, and 4.0 mi east of Wauchula.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in, depth 267 ft, cased to 39 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.87 ft above land-surface datum. Prior to Sept. 30, 1976, top of 5 in casing extension, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 98.14 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby industrial and irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--September 1962 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 73.44 ft NGVD, Oct. 18, 1962; lowest, 24.40 ft NGVD, May 9, 1975, May 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.63	66.81	67.53	63.85	66.21	64.86	64.67	54.67	54.80	58.19	63.17	64.35
10	67.79	67.04	67.22	65.31	60.71	63.70	64.72	54.81	53.01	59.29	63.70	64.56
15	67.25	67.20	67.68	65.88	63.42	65.09	64.48	50.17	52.78	60.01	63.95	63.40
20	67.44	66.96	67.93	66.27	64.41	65.76	63.68	46.16	54.96	60.85	63.86	62.81
25	67.63	67.10	66.28	66.60	65.00	65.97	63.05	50.26	56.24	61.69	64.25	62.00
EOM	67.71	67.35	61.08	66.81	63.74	65.28	61.13	53.81	56.85	62.45	64.36	61.39
MAX	68.76	67.58	68.03	66.91	66.59	66.29	65.37	60.01	56.85	62.45	64.55	64.61

WTR YR 1984 HIGH 68.76 OCT 3 AND OTHERS

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HARDEE					
272041081562301	CARLTON JR WELL NR LIMESTONE,FL	27 20 41	081 56 23	01	84-05-15 84-09-11	30.98 41.25
272129081391001	FLINT D. WELL NR CREWSVILLE,FL	27 21 29	081 39 10	01	84-09-11	56.72
272243081374701	VAN ADAMS D. WELL NR CREWSVILLE,FL	27 22 43	081 37 47	01	84-05-15	54.27
272317081425301	SAPP D. WELL NR SWEETWATER	27 23 17	081 42 53	01	84-05-15 84-09-11	50.00 57.43
272351081474301	GRIFFIN-ZOLFO SPRINGS WELL	27 23 51	081 47 43	01	84-05-15 84-09-11	41.07 49.39
272442082015201	STEPHENS D. WELL NR ONA,FL	27 24 42	082 01 52	01	84-05-15 84-09-11	27.16 39.37
272502081390201	725-J.EATON	27 25 02	081 39 02	01	84-05-15 84-09-11	58.10 64.13
272807081585901	IMC CORP D. WELL NR ONA,FL	27 28 07	081 58 59	01	84-05-15 84-09-11	30.16 43.45
272855081400701	-PEACE RIVER RANCH	27 28 55	081 40 07	01	84-05-15 84-09-11	59.17 68.53
272939082010301	MCLF-22 NEAR ONA ,FL	27 29 39	082 01 03	01	84-05-14 84-09-10	29.00 41.27
272941081512301	DANSBY ROAD WELL #1014NR ZOLFO SPRINGS,FL	27 29 41	081 51 23	01	84-05-15 84-09-11	41.10 55.10
272944081474001	CITY OF ZOLFP SPGS D. WELL AT ZOLFO SPGS.	27 29 44	081 47 40	01	84-05-16 84-09-11	47.93 60.90
273110081525601	MCLF-27 NEAR ONA ,FL	27 31 10	081 52 56	01	84-05-14 84-09-10	42.70 55.00
273331081414601	733	27 33 31	081 41 46	01	84-05-15 84-09-10	61.96 72.75
273421081582701	CF IND D WELL DF NR FT GREEN	27 34 21	081 58 27	01	84-05-16 84-09-12	43.71 54.18
273424081582501	CF IND D WELL LF1 NR FT GREEN	27 34 24	081 58 25	01	84-05-16 84-09-12	43.91 54.90
273426081513401	CF IND D WELL LF6 NR FT GREEN	27 34 26	081 51 34	01	84-05-16 84-09-12	53.66 64.66
273452082010201	CF IND D WELL LF4 NR FT GREEN	27 34 52	082 01 02	01	84-05-16 84-09-12	40.06 51.00
273458081342601	SHEARER D. WELL NR LEMON GROVE	27 34 58	081 34 26	01	84-05-15 84-09-12	73.64 80.85
273829081514901	USS AGRI-CHEM LF-5 NR BOWLING GREEN , FL	27 38 29	081 51 49	01	84-05-15 84-09-11	57.16 66.30
273834081464701	WHITEHURST D. WELL NR BOWLING GREEN	27 38 34	081 46 47	01	84-05-15 84-09-11	56.41 66.89
273845081551001	CF IND DP WELL LF-5 NR FT GREEN , FL	27 38 45	081 55 10	01	84-05-16 84-09-12	55.37 64.87

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HARDEE COUNTY

272714081545901 - ROMP 31 AVON PARK WELL NR ONA, FLA. (LAT 27 27 14 LONG 081 54 59)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV , 1983					
01...	1405	510	520	25.5	13
JAN , 1984					
10...	1300	504	520	25.5	13
MAR					
05...	1650	511	520	26.0	12
MAY					
08...	1845	503	520	26.5	13
JUL					
10...	1020	508	520	26.5	13
SEP					
12...	1020	520	527	26.0	12

272714081545902 - ROMP 31 HAWTHORN WELL NR ONA, FLA. (LAT 27 27 14 LONG 081 54 59)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT , 1983					
11...	1015	980	1040	25.0	130
NOV					
01...	1330	1050	1010	25.5	120
JAN , 1984					
10...	1310	1030	1040	24.5	120
MAR					
05...	1630	1040	1030	25.0	130
MAY					
08...	1855	1000	1020	24.5	120
AUG					
20...	0925	1150	1080	24.5	130

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HARDEE COUNTY--Continued

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
273249081480502 CITY OF WAUCHULA -- WELL NO. 4 (LAT 27 32 49 LONG 081 48 05)											
NOV 1983 16...	1145	740	--	7.7	27.5	--	--	--	<1	<100	<1

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)
NOV 1983 16...	<1	1.00	--	<0.1	<1	<1.00	<0.1	<0.01	<0.1	<0.01	<0.01

DATE	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PER- THANE TOTAL (UG/L) (39034)	LINDANE TOTAL (UG/L) (39340)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	TOX- APHENE, TOTAL (UG/L) (39400)	TOLUENE TOTAL (UG/L) (34010)
NOV 1983 16...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<1	<3.0

DATE	BENZENE TOTAL (UG/L) (34030)	CHLORO- BENZENE TOTAL (UG/L) (34301)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROM- OFORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- OFORM TOTAL (UG/L) (32106)	ETHYL- BENZENE TOTAL (UG/L) (34371)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
NOV 1983 16...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L) (34488)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L) (34516)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	CHLORO- ETHYL- ENE TOTAL (UG/L) (34546)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)
NOV 1983 16...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 7

HERNANDO COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	282605082345801	66
2	282636082221401	67
2	282636082221402	67
4	282742082375901	68
5	282851082271601	68
6	283201082315601	69
8	283243082365701	69
8A	283313082350101	70
9	283537082151501	70
10	283632082245101	71
10A	283650082313301	71
11	283840082154801	72
12	283924082272301	72

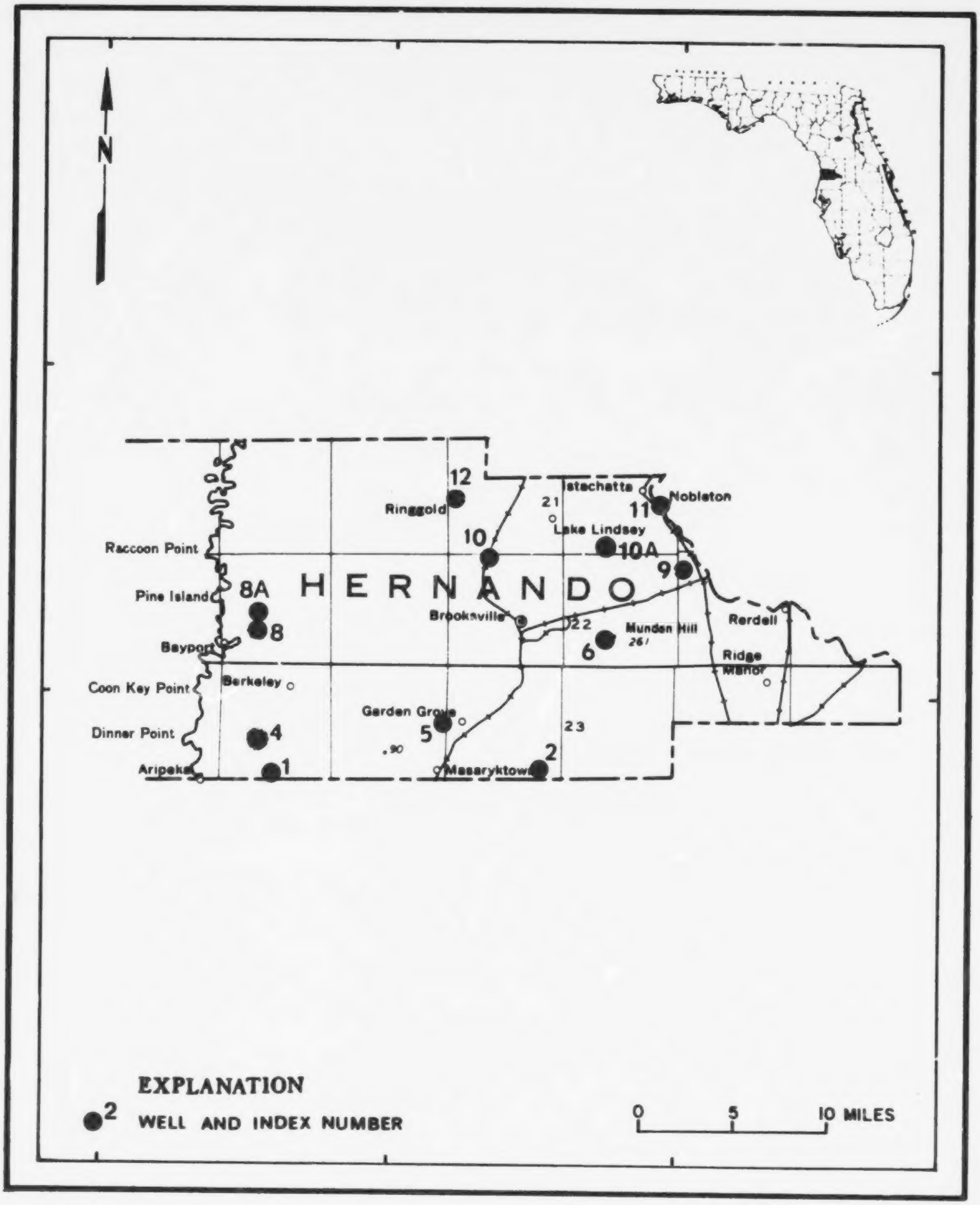
N
12
Ringgold
21
Istachatta
Nobleton
11
Lake Lindsey
10
10A
9
Raccoon Point
HERNANDO
Pine Island
8A
8
Brooksville
22
Munden Hill
261
6
Rerdell
Bayport
Ridge Manor
Coon Key Point
Berkeley
Garden Grove
5
23
Dinner Point
4
90
2
Aripeka
1
Masaryktown
EXPLANATION
2 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 7. Location of wells in Hernando County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--282605082345801. ROMP 97 Deep Well near Aripeka, FL.

LOCATION.--Lat 28°26'05", long 82°34'58", in SW¼SW¼ sec.35, T.23 S., R.17 E., Hydrologic Unit 03100207, 300 ft north of State Highway 578, 3.5 mi east of U. S. Highway 19, and 5.0 mi east of Aripeka.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 355 ft, cased to 310 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 4.00 ft above land-surface datum.

DATUM.--Land-surface datum is 32.19 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.77 ft NGVD, Aug. 27, 1984; lowest, 13.82 ft NGVD, July 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.09	23.71	23.11	23.49	23.00	23.53	23.10	22.63	21.90	23.40	25.31	25.65
10	24.08	23.65	22.99	23.53	22.86	23.38	23.15	22.45	21.72	23.67	25.34	25.50
15	24.06	23.52	22.98	23.45	23.28	23.31	23.15	22.29	21.66	23.82	25.29	25.29
20	24.04	23.48	22.89	23.32	23.46	23.24	23.08	22.12	21.59	23.88	25.25	25.15
25	23.96	23.34	22.80	23.24	23.55	23.15	22.92	22.00	22.51	23.99	25.69	24.95
EOM	23.81	23.22	23.22	23.10	23.59	23.06	22.81	22.06	22.89	24.68	25.69	25.11
MAX	24.18	23.79	23.22	23.53	23.59	23.58	23.16	22.77	22.89	24.68	25.77	25.73

WTR YR 1984 MAX 25.77

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--282636082221401. Weeki Well 11 near Masaryktown, FL.

LOCATION.--Lat 28°26'36", long 82°22'14", in SW¼NW¼ sec.36, T.23 S., R.19 E., Hydrologic Unit 03100207, 5 ft east of State Highway 581, and 5.3 mi east of Masaryktown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 69 ft, cased to 68 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 101.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--January to December 1967 (bimonthly); January 1968 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 58.74 ft NGVD, Apr. 5, 1970; lowest, 37.67 ft NGVD, Aug. 22, 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.58	56.90	55.76	55.70	55.87	56.62	56.86	56.05	54.43	54.09	54.19	54.31
10	56.71	56.83	55.54	55.90	55.75	56.65	56.91	55.60	54.13	54.11	54.18	54.29
15	56.76	56.67	55.53	55.81	55.84	56.72	56.94	55.30	53.87	54.11	54.05	54.25
20	56.87	56.49	55.48	55.83	56.00	56.95	56.87	55.00	53.76	54.14	53.94	54.21
25	56.92	56.23	55.35	55.96	56.01	56.90	56.78	55.06	54.13	54.12	54.17	54.13
EOM	56.89	55.89	55.40	55.92	56.15	56.84	56.57	54.82	54.11	54.12	54.39	54.13
MAX	56.93	56.91	55.88	56.00	56.23	57.05	56.96	56.50	54.73	54.17	54.39	54.39

WTR YR 1984 HIGH 57.05 MAR 28

WELL NUMBER.--282636082221402. Weeki Shallow Well 11 near Masaryktown, FL.

LOCATION.--Lat 28°26'36", long 82°22'14", in SW¼NW¼ sec.36, T.23 S., R.19 E., Hydrologic Unit 03100207, 5 ft east of State Highway 581, and 5.3 mi east of Masaryktown.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 16 ft, cased to 6 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 4.10 ft above land-surface datum.

DATUM.--Land-surface datum is 100.63 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1974 to current year (bimonthly), incomplete. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.06 ft NGVD, Aug. 31, 1981; well dry Nov. 2, 1981, Jan. 4, 1982, Jan. 3, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
01...	1215	93.46	05...	1137	97.88
JAN			AUG		
03...	1301	97.92	27...	1125	89.39
MAR			SEP		
01...	1013	99.58	11...	1101	88.09
MAY					
15...	0924	89.09			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--282742082375901. ROMP TR 18-1 Deep Well near Aripeka, FL.

LOCATION.--Lat 28°27'42", long 82°37'59", in NW¼NW¼ sec.29, T.23 S., R.17 E., Hydrologic Unit 03100207, 100 ft south of State Highway 595, 0.7 mi west of U. S. Highway 19, and 3.2 mi northeast of Aripeka.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 580 ft, cased to 445 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.88 ft above land-surface datum.

DATUM.--Land-surface datum is 15.29 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.33 ft NGVD Aug. 22, 1984; lowest, 11.73 ft NGVD, July 11, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.78	16.48	16.36	16.76	16.35	16.67	16.74	16.07	15.71	16.55	17.20	17.04
10	16.77	16.48	16.22	16.83	16.19	16.47	16.76	15.88	15.63	16.51	17.10	16.96
15	16.83	16.39	16.38	16.66	16.71	16.55	16.63	15.80	15.72	16.72	16.97	16.84
20	16.72	16.65	16.36	16.64	16.63	16.56	16.42	15.63	15.58	16.65	16.99	16.77
25	16.71	16.53	16.17	16.53	16.72	16.41	16.28	15.75	16.11	16.80	17.25	16.66
EOM	16.55	16.37	16.71	16.44	16.80	16.33	16.17	15.95	16.48	17.24	17.11	17.09
MAX	16.85	16.65	16.77	16.83	16.88	16.73	16.79	16.18	16.48	17.28	17.33	17.15

WTR YR 1984 MAX 17.33

WELL NUMBER.--282851082271601. Airport Well near Masaryktown, FL.

LOCATION.--Lat 28°28'51", long 82°27'16", in SE¼SE¼ sec.13, T.23 S., R.18 E., Hydrologic Unit 03100207, 0.2 mi north of Brooksville Airport, and 2.7 mi north of Masaryktown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 8 in, depth 251 ft, cased to 80 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of bushing, 1.15 ft above land-surface datum.

DATUM.--Land-surface datum is 65.66 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1960 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.68 ft NGVD, Oct. 19, 1960; lowest measured, 26.84 ft NGVD, Aug. 31, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 01...	1249	45.86	JUL 05...	1216	42.37
JAN 06...	1416	45.66	AUG 27...	1145	46.25
MAR 01...	1056	43.57	SEP 11...	1115	44.79
MAY 15...	0944	42.84			

HERNANDO COUNTY

WELL NUMBER.--283201082315601. Weeki Wachee Well near Weeki Wachee, FL.

LOCATION.--Lat 28°32'01", long 82°31'56", in SW¼SW¼ sec.29, T.22 S., R.18 E., Hydrologic Unit 03100207, 25 ft north of State Highway 50, and 2.6 mi east of Weeki Wachee.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 259 ft, cased to 176 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 35.97 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--August 1966 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.91 ft NGVD, Aug. 27, 28, 1984; lowest, 13.60 ft NGVD, part or all of each day July 7-16, 1981 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.48	22.68	21.89	21.89	21.20	21.27	21.05	20.54	20.05	20.94	23.18	23.69
10	23.40	22.57	21.71	21.78	21.04	21.14	21.15	20.40	19.92	21.09	23.49	23.57
15	23.35	22.38	21.65	21.64	21.30	21.10	21.20	20.31	19.88	21.38	23.60	23.35
20	23.23	22.28	21.49	21.52	21.38	21.06	21.05	20.12	19.90	21.64	23.69	23.17
25	23.05	22.19	21.33	21.43	21.37	20.98	20.95	20.03	20.47	21.82	23.89	22.97
EOM	22.81	22.04	21.70	21.30	21.34	20.98	20.80	20.22	20.75	22.45	23.90	23.01
MAX	23.89	22.78	22.00	21.89	21.40	21.32	21.25	20.70	20.75	22.45	23.91	23.78

WTR YR 1984 HIGH 23.91 AUG 27 AND OTHERS

WELL NUMBER.--283243082365701. ROMP 19-2 Deep Well near Bayport, FL.

LOCATION.--Lat 28°32'43", long 82°36'57", in NE¼NE¼ sec.29, T.22 S., R.17 E., Hydrologic Unit 03100207, 0.1 mi north of State Highway 50, and 3.8 mi east of Bayport.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 302 ft, cased to 277 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 6.99 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by tide fluctuations.

PERIOD OF RECORD.--December 1975 to current year. Prior to October 1979, published as Whitehurst BM Well near Bayport.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.36 ft NGVD, Jan. 9, 1978; lowest, 4.40 ft NGVD, Jan. 13, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.92	6.75	6.62	6.15	6.21	5.87	6.61	6.63	6.11	5.90	6.17	6.36
10	6.19	6.72	5.82	6.56	5.77	5.64	6.24	5.63	6.63	6.28	6.13	6.40
15	5.94	6.42	6.33	5.84	6.19	5.93	6.35	5.97	6.97	6.29	5.89	6.44
20	6.21	6.89	5.97	5.62	5.91	6.92	6.10	6.16	6.14	6.03	6.63	5.99
25	6.65	6.92	5.15	6.22	5.75	6.07	5.75	6.06	6.51	6.47	6.33	6.09
EOM	6.10	5.77	5.53	6.19	6.50	5.81	6.10	5.67	7.03	6.45	6.07	6.26
MAX	6.96	7.12	6.76	6.72	6.90	7.88	6.65	7.04	7.03	6.63	6.63	6.92

WTR YR 1984 HIGH 7.88 MAR 29

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--283313082350101. ROMP TR 19-3 Deep Well near Weeki Wachee, FL.

LOCATION.--Lat 28°33'13", long 82°35'01", in NE¼SE¼ sec.22, T.22 S., R.17 E., Hydrologic Unit 03100207, 1.4 mi north of State Highway 50, 1.5 mi northeast of Weeki Wachee, and 1.8 mi west of U. S. Highway 19.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 603 ft, cased to 440 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 5.00 ft above land-surface datum.

DATUM.--Land-surface datum is 12.89 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.53 ft NGVD, Sept. 18, 19, 20, 21, 1983; lowest, 7.65 ft NGVD, June 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.27	9.95	9.91	9.95	9.63	9.71	9.95	9.66	9.21	9.74	10.25	10.29
10	10.22	10.11	9.88	9.93	9.43	9.60	10.01	9.52	9.20	9.70	10.20	10.17
15	10.28	9.99	9.86	9.86	9.82	9.68	9.96	9.28	9.31	9.82	10.19	10.13
20	10.16	9.91	9.78	9.90	9.87	9.76	9.89	9.14	9.41	9.87	10.24	9.99
25	10.16	10.09	9.71	9.76	9.88	9.67	9.85	9.31	9.61	9.86	10.50	9.92
EOM	9.97	10.06	9.61	9.75	9.98	9.81	9.66	9.34	9.81	10.08	10.31	10.27
MAX	10.28	10.13	10.05	9.97	9.98	9.96	10.01	9.66	9.81	10.08	10.51	10.29

WTR YR 1984 HIGH 10.51 AUG 22 AND OTHERS

WELL NUMBER.--283537082151501. Local Number Hernando 835-215-01. ROMP Deep Well 103 near Brooksville, FL.

LOCATION.--Lat 28°35'37", long 82°15'15", in NE¼NE¼NE¼ sec.12, T.22 S., R.20 E., Hydrologic Unit 03100208, on south side of Croom Road, 2.6 mi east of Tucker Hill Fire Tower, and 6.3 mi northeast of Brooksville.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 198 ft, cased to 111 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.42 ft above land-surface datum.

DATUM.--Land-surface datum is 92.78 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 48.95 ft NGVD, Oct. 14, 1982; lowest, 36.37 ft NGVD, Aug. 2-4, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.32	45.60	44.76	44.83	44.90	45.14	45.00	44.81	44.16	43.99	44.78	44.96
10	46.26	45.43	44.59	44.95	44.76	45.21	45.07	44.68	44.04	44.34	44.96	44.88
15	46.18	45.25	44.50	44.96	44.72	45.23	45.10	44.53	43.90	44.43	45.02	44.71
20	46.07	45.11	44.42	44.98	44.84	45.27	45.08	44.38	43.78	44.48	45.06	44.55
25	45.89	44.99	44.33	45.00	44.85	45.19	45.05	44.23	43.71	44.48	45.08	44.40
EOM	45.72	---	44.49	44.96	44.92	45.02	44.94	44.23	43.69	44.53	45.05	44.25
MAX	46.33	---	44.85	45.01	44.96	45.27	45.10	44.91	44.20	44.53	45.09	45.04

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--283632082245101. Seaboard Coast Line Railroad Well near Brooksville, FL.

LOCATION.--Lat 28°36'32", long 82°24'51", in SW¼SW¼, sec.33, T.21 S., R.19 E., Hydrologic Unit 03100208, 0.2 mi south of U. S. Highway 98, and 4.0 mi northwest of Brooksville.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 6 in, depth 211 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 0.5 in access pipe, 0.25 ft above land-surface datum. Prior to Jan. 4, 1974, top of access hole, 0.10 ft below land-surface datum.

DATUM.--Land-surface datum is 96.67 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1960 to September 1977 (monthly); October 1977 to September 1982 (bimonthly); October 1982 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.48 ft NGVD, Oct. 7, 1960; lowest measured, 29.62 ft NGVD, June 30, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUN		
06...	0917	43.49	04...	0845	32.64
NOV			29...	1219	39.64
04...	1310	39.92	JUL		
JAN			10...	1355	39.82
03...	1351	39.60	AUG		
MAR			07...	1121	40.54
08...	1349	39.80	30...	1115	39.92
APR			SEP		
02...	0924	39.44	11...	1131	36.20
MAY					
15...	1033	38.92			

WELL NUMBER.--283650082313301. ROMP Centralia Deep Well near Weeki Wachee Springs, FL.

LOCATION.--Lat 28°36'50", long 82°31'33", in SE¼NW¼ sec.32, T.21 S., R.18 E., Hydrologic Unit 03100207, 1.0 mi east of U. S. Highway 19, and 7.0 mi north of town of Weeki Wachee Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 170 ft, cased to 122 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.5 ft above land-surface datum.

DATUM.--Land-surface datum is 39.23 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.36 ft NGVD, Sept. 29, 30, 1983; lowest, 13.88 ft NGVD, Aug. 2, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBEP 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.31	16.37	15.53	15.23	14.87	14.91	14.59	14.67	14.85	15.45	15.76	16.15
10	17.20	16.25	15.36	15.29	14.73	14.81	14.88	14.60	14.85	15.55	15.77	16.11
15	17.13	16.04	15.29	15.17	14.85	14.72	14.98	14.47	14.95	15.61	15.85	15.98
20	17.00	15.88	15.16	15.12	14.96	14.67	14.96	14.45	15.10	15.66	15.95	15.83
25	16.80	15.77	15.01	15.07	14.98	14.58	14.90	14.55	15.20	15.65	16.00	15.66
EOM	16.54	15.67	15.02	14.95	14.95	14.47	14.78	14.70	15.35	15.68	16.12	15.67
MAX	17.35	16.50	15.64	15.29	15.00	14.95	14.98	14.77	15.35	15.68	16.12	16.15

WTR YR 1984 MAX 17.35

NOTE.--Record estimated May 18 to July 9.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HERNANDO COUNTY

WELL NUMBER.--283840082154801. Local Number Hernando 838-215-132. Barnhart Well CE 25 at Nobleton, FL.

LOCATION.--Lat 28°38'40", long 82°15'48", in NW¼NW¼SW¼ sec.24, T.21 S., R.20 E., Hydrologic Unit 03100208, on Second Street, 200 ft east of Edgewater Avenue in Nobleton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 6 in, depth 140 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in sanitary seal, 0.28 ft above land-surface datum.

DATUM.--Land-surface datum is 59.37 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1961 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.33 ft NGVD, Aug. 23, 1965; lowest measured, 36.33 ft NGVD, July 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 21...	0912	44.12	MAY 15...	1235	43.06
DEC 01...	1515	43.21	JUN 26...	1230	42.59
JAN 30...	1250	43.63	AUG 09...	1320	43.74
FEB 22...	1230	43.74	SEP 13...	0949	43.34

WELL NUMBER.--283924082272301. ROMP 107 Deep Well near Brooksville, FL.

LOCATION.--Lat 28°39'24", long 82°27'23", in SW¼SE¼ sec.13, T.21 S., R.18 E., Hydrologic Unit 03100207, 75 ft southwest of U. S. Highway 98, and 9.2 mi northwest of Brooksville.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 240 ft, cased to 140 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of nipple, 2.83 ft above land-surface datum.

DATUM.--Land-surface datum is 116.03 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.78 ft NGVD, Nov. 3, 4, 1982; lowest, 11.60 ft NGVD, July 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.13	17.20	16.89	16.66	16.40	16.51	16.42	16.80	16.74	17.02	17.84	17.94
10	17.19	17.14	16.81	16.66	16.30	16.45	16.63	16.82	16.69	17.21	17.93	17.94
15	17.19	17.08	16.79	16.53	16.49	16.42	16.65	16.86	16.61	17.35	17.93	17.86
20	17.23	17.04	16.70	16.47	16.42	16.50	16.69	16.85	16.56	17.43	17.93	17.77
25	17.24	16.91	16.59	16.50	16.40	16.44	16.75	16.81	16.57	17.49	17.91	17.66
EOM	17.19	16.90	16.53	16.41	16.38	16.31	16.78	16.78	16.77	17.70	17.95	17.53
MAX	17.26	17.20	16.93	16.66	16.72	16.51	16.78	16.86	16.77	17.70	17.95	17.96

WTR YR 1984 MAX 17.96

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

HERNANDO

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
282620082193801	82621901 LAKEWOOD RETREAT E SIDE LAKE HANCOCK	28 26 20	082 19 38	01	84-05-15	86.70
					84-09-13	84.44
282659082391104	ROMP TR 18-2 (447-480) 1 INCH WELL NR ARIPEKA,FL	28 26 59	082 39 11	04	84-09-11	8.41
282839082190801	82821901 RUSSELL BLACKETT LAKE NEFF	28 28 39	082 19 08	01	84-05-15	89.97
					84-09-13	82.59
282847082103401	82821001 23S21E14 TALLISMAN ESTATES WELL	28 28 47	082 10 34	01	84-05-15	54.45
					84-09-14	54.94
282851082035301	82820301 23S22E13 E H BOYETTE	28 28 51	082 03 53	01	84-05-14	82.41
					84-09-11	82.65
283001082064702	83020602 23S22E09 WSF-RICHLOAM FIRE TOWER	28 30 01	082 06 47	02	84-05-14	72.73
					84-09-11	71.40
283033082154101	83021501 23S20E01 SAMUEL OGNIBENE	28 30 33	082 15 41	01	84-05-15	54.58
					84-09-13	52.23
283036082105502	83021002 23S21E02 RIDGE MANOR NO 2	28 30 36	082 10 55	02	84-05-15	55.33
					84-09-14	53.88
283058082281001	ZIRKELS ESTATES WELL	28 30 58	082 28 10	01	84-05-17	31.04
					84-09-12	36.33
283108082123401	83121201 22S21E04 LE:COMPTE WELL	28 31 08	082 12 34	01	84-05-15	49.58
					84-09-14	49.94
283125082100501	83121001 CARL G ASBEL RIDGE MANOR	28 31 25	082 10 05	01	84-05-15	66.63
					84-09-14	64.63
283237082181901	83221801 22S20E28 WAYNE THOMAS MUNDEN HIL	28 32 37	082 18 19	01	84-05-14	44.71
					84-09-13	40.79
283408082123801	83421201 22S21E16 WSF-CYPRESS GLEN CAMP	28 34 08	082 12 38	01	84-05-14	46.06
283508082215101	83522101 22S19E12 CLARENCE SMITH	28 35 08	082 21 51	01	84-05-15	42.13
					84-09-13	42.74
283510082133701	CROOM RR SIDING WELL NR CROOM,FL	28 35 10	082 13 37	01	84-09-13	45.63
283527082365701	WEEKI WELL 2 NR WEEKIWACHEE, FLA	28 35 27	082 36 57	01	84-05-17	5.92
283529082355801	WEEKI WELL 3 NR WEEKIWACHEE, FLA	28 35 29	082 35 58	01	84-05-17	7.13
					84-09-13	7.76
283532082331201	SWFWMD WELL	28 35 32	082 33 12	01	84-05-17	19.49
					84-09-11	18.02
283555082372901	WEEKI WELL 1 NR WEEKIWACHEE, FLA	28 35 55	082 37 29	01	84-05-17	5.78
283613082184301	83621801 22S20E04 DELMAS C NIX	28 36 13	082 18 43	01	84-05-15	40.54
					84-09-13	40.95
283648082275201	COMMUNITY CHURCH WELL	28 36 48	082 27 52	01	84-05-17	31.50
					84-09-12	33.10
283806082214801	83822101 21S19E25 EDEN CHRISTIAN SCHOOL	28 38 06	082 21 48	01	84-05-15	36.82
					84-09-13	37.73
283957082181001	83921801 21S20E16 W A BLIZZARD	28 39 57	082 18 10	01	84-05-15	38.33
					84-09-13	39.26

HERNANDO COUNTY

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
282605082345801 - ROMP 97 DEEP WELL NEAR ARIPEKA, FL. (LAT 28 26 05 LONG 082 34 58)									
NOV , 1983 03...	1109	110	104	--	--	25.0	--	--	1.2
JAN , 1984 05...	0818	100	88	--	--	24.0	--	--	4.1
MAR 06...	0749	115	95	--	--	23.5	--	--	10
MAY 01...	1306	130	111	--	--	24.5	--	--	3.4
JUL 09...	1135	110	108	--	--	24.0	--	--	4.5
AUG 29...	1030	130	135	--	--	24.0	--	--	9.3
282659082391102 - ROMP TR 18-2 (505-547) 2 INCH WELL NR ARIPEKA,FL (LAT 28 26 59 LONG 082 39 11)									
MAY , 1984 15...	0730	--	27400	--	7.3	--	1.011	1400	10000
31...	0755	--	25700	--	7.4	--	1.011	1400	9200
28274208237590 - ROMP TR 18-1 DEEP WELL NEAR ARIPEKA, FL (LAT 28 27 42 LONG 082 37 59)									
NOV , 1983 03...	1330	320	323	--	--	27.0	--	--	35
JAN , 1984 05...	0927	--	210	--	--	22.5	--	--	5.0
MAR 06...	0908	230	230	--	--	23.5	--	--	10
MAY 02...	0838	220	230	--	--	25.0	--	8.8	9.0
JUL 09...	1235	210	215	--	--	27.0	--	--	4.5
AUG 29...	1135	220	218	--	--	26.0	--	8.0	7.0
283243082365701 - ROMP TR 19-2 DEEP WELL NEAR BAYPORT, FL (LAT 28 32 43 LONG 082 36 57)									
MAY , 1984 02...	0934	3800	3800	--	--	23.5	--	170	1100
AUG 29...	1223	--	3810	--	--	24.0	--	160	1100
283527082365701 - WEEKI WELL 2 NR WEEKIWACHEE, FLA (LAT 28 35 27 LONG 082 36 57)									
MAY , 1984 17...	1025	410	410	--	--	21.0	--	--	53
283529082355801 - WEEKI WELL 3 NR WEEKIWACHEE, FLA (LAT 28 35 29 LONG 082 35 58)									
MAY , 1984 17...	0950	512	510	--	--	21.0	--	--	69
SEP 13...	0925	410	405	--	--	23.0	--	--	69
283555082372901 - WEEKI WELL 1 NR WEEKIWACHEE, FLA (LAT 28 35 55 LONG 082 37 29)									
MAY , 1984 17...	1052	1480	1380	--	--	22.0	--	--	180

HERNANDO COUNTY--Continued

282659082391102 - ROMP TR 18-2 (505-547) 2 INCH WELL NR ARIPEKA,FL (LAT 28 26 59 LONG 082 39 11)

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
MAY , 1984									
15...	18100	--	--	--	--	--	--	--	114
31...	17600	--	--	--	--	--	--	--	114

283258082231901 - BROOKSVILLE # 1 AT BROOKSVILLE FL (LAT 28 32 58 LONG 082 23 19)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)
OCT , 1983												
19...	1315	350	7.5	23.0	1	<100	10	<1	<2	<.1	<1	<1

DATE	LINDANE TOTAL (UG/L) (39340)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	CHLORO-BENZENE TOTAL (UG/L) (34301)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L) (32101)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)	BROM-OFORM TOTAL (UG/L) (32104)
OCT , 1983												
19...	<.010	<.01	<1	<.01	<.01	<.01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L) (34516)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	1,2-TRANSDI CHLORO-ETHYL-ENE TOTAL (UG/L) (34546)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34561)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L) (34576)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	VINYL CHLO-RIDE TOTAL (UG/L) (39175)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) (39250)	MIREX, TOTAL (UG/L) (39755)
OCT , 1983											
19...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<.10	<.01

DATE	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN, TOTAL (UG/L) (39386)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	PER-THANE TOTAL (UG/L) (39034)
OCT , 1983												
19...	<.1	<.010	<.1	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.1

DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-FORM TOTAL (UG/L) (32106)	CHLORO-ETHANE TOTAL (UG/L) (34311)	ETHYL-BENZENE TOTAL (UG/L) (34371)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-ENE CHLO-RIDE TOTAL (UG/L) (34423)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-FLOURO-METHANE TOTAL (UG/L) (34488)	1.1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1.1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1.1.1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)
OCT , 1983											
19...	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 8

HIGHLANDS COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	271226081194301	78
2	271559081202301	79
2	271559081202302	80
2	271559081242501	81
3	271712081215801	81
3	272746081232701	82
4	273609081285301	83
4	273615081284901	84

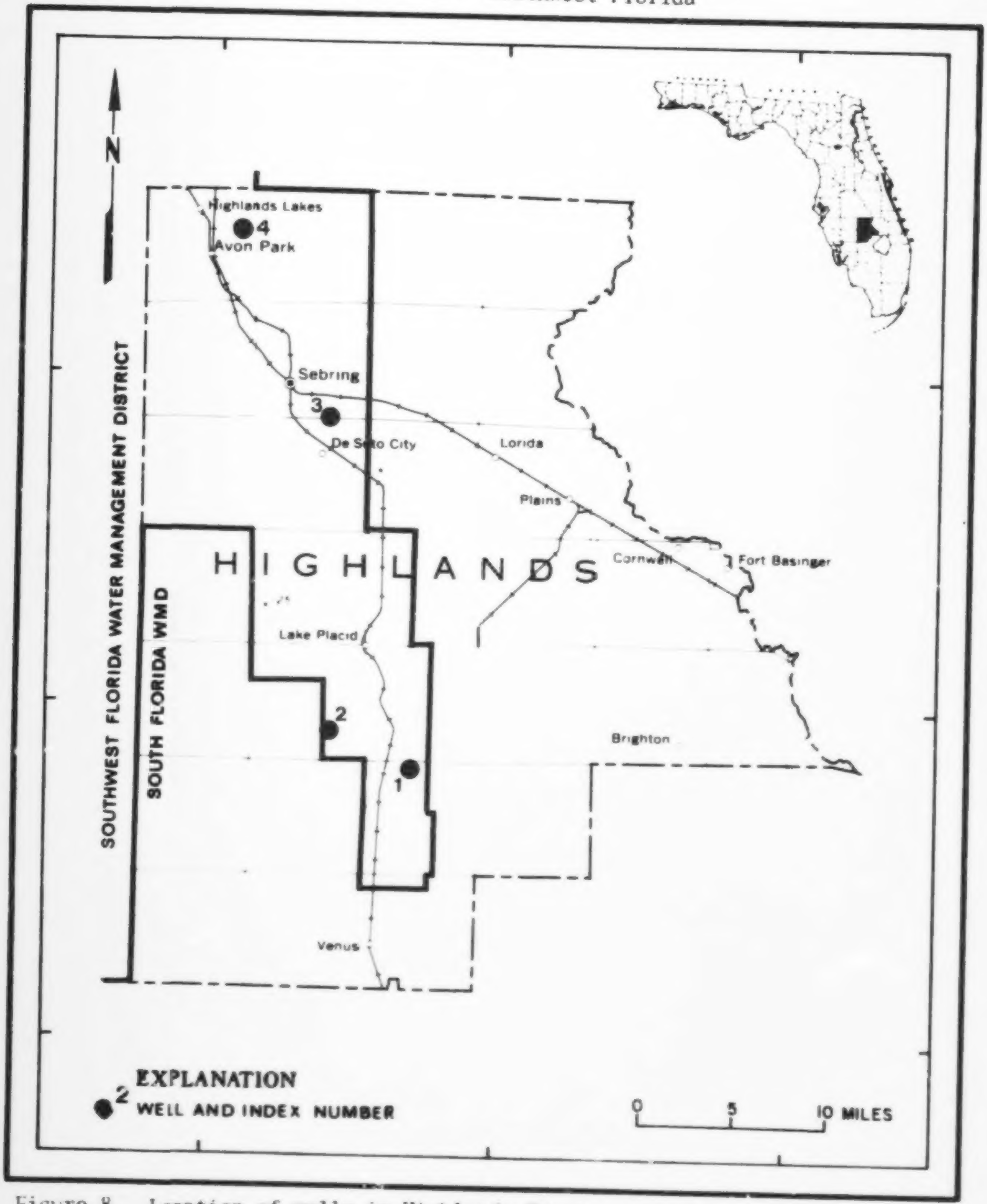
N
Highlands Lakes
4
Avon Park
Sebring
3
De Soto City
Lorida
Plains
Cornwell
Fort Basinger
HIGHLANDS
Lake Placid
2
1
Brighton
Venus
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
SOUTH FLORIDA WMD
EXPLANATION
2 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 8. Location of wells in Highlands County.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HIGHLANDS COUNTY

WELL NUMBER.--271226081194301. Bairs Den Well near Lake Placid, FL.

LOCATION.--Lat 27°12'26", long 81°19'43", in NE¼NW¼ sec.4, T.38 S., R.30 E., Hydrologic Unit 03090101, 600 ft south of intersection State Highway 70 and U. S. Highway 27, and 6.9 mi south of Lake Placid.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 35 ft, cased to 26 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.40 ft above land-surface datum. Prior to Jan. 14, 1981, top of casing, 3.30 ft above land-surface datum.

DATUM.--Land-surface datum is 136.01 ft National Geodetic Vertical Datum of 1929.

REMARKS.--The figures of water level as elevation in feet NGVD prior to Oct. 1, 1977, are in error. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--September 1948 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Observation Well H14A near Lake Placid.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 128.49 ft NGVD, Oct. 2, 1979; lowest, 113.93 ft NGVD, May 28-30, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	123.51	123.16	122.76	122.35	121.93	121.66	122.32	121.96	121.89	121.79	124.20	123.90
10	123.44	123.11	122.69	122.28	121.85	121.62	122.26	121.89	121.78	121.86	124.20	123.90
15	123.38	123.04	122.62	122.20	121.79	122.35	122.23	121.82	121.70	122.11	124.10	123.84
20	123.35	122.97	122.55	122.13	121.72	122.49	122.17	121.75	121.85	122.80	124.00	123.75
25	123.29	122.91	122.49	122.07	121.70	122.40	122.10	121.67	121.79	124.40	124.00	123.69
EOM	123.21	122.83	122.39	121.99	121.66	122.33	122.03	121.88	121.75	124.35	124.00	123.61
MAX	123.56	123.20	122.81	122.38	121.98	122.53	122.33	122.02	121.94	124.40	124.30	123.90

WTR YR 1984 HIGH 124.40 JUL 25

NOTE.--Record estimated July 25 to Sept. [illegible].

WELL NUMBER.--271559081202301. ROMP 28 Floridan Well near Lake Placid, FL.

LOCATION.--Lat 27°15'59", long 81°20'23", in NE¼NW¼ sec.17, T.37 S., R.30 E., Hydrologic Unit 03090101, 0.5 mi east of U. S. Highway 27, and 2.0 mi south of Lake Placid.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,385 ft, cased to 585 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 4.00 ft above land-surface datum.

DATUM.--Land-surface datum is 104.63 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 73.37 ft NGVD, July 30, 1984; lowest, 63.69 ft NGVD, May 23, 1984.

ELEVATION (FEET NGVD), JULY TO SEPTEMBER 1983
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										---	71.41	73.18
10										---	72.15	72.31
15										68.56	72.43	72.33
20										68.47	72.11	72.73
25										68.98	72.06	72.70
EOM										70.14	72.29	71.10
MAX										---	72.69	73.18

WTR YR 1983 HIGH 73.18 SEP 5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.00	70.01	71.10	69.85	70.78	72.67	69.71	65.51	69.89	71.83	72.31	69.52
10	69.80	71.13	70.03	70.94	67.95	70.18	71.13	66.90	68.25	72.29	70.03	70.52
15	69.27	71.30	70.80	71.63	69.76	71.65	70.86	66.90	66.04	72.37	69.16	68.95
20	71.59	71.29	71.63	71.29	70.18	72.83	70.90	65.48	69.33	72.74	69.78	70.32
25	72.38	71.48	71.95	71.63	71.32	71.23	70.20	65.94	70.44	73.21	70.51	70.31
EOM	71.10	71.44	70.86	71.54	72.03	69.65	69.89	70.25	70.98	73.25	68.35	70.78
MAX	72.42	72.34	72.52	72.27	72.12	72.83	71.45	70.25	70.98	73.37	72.88	70.78

WTR YR 1984 HIGH 73.37 JUL 30

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HIGHLANDS COUNTY

WELL NUMBER.--271559081202302. ROMP 28 Shallow Well near Lake Placid, FL.

LOCATION.--Lat 27°15'59", long 81°20'23", in NE¼NW¼ sec.17, T.37 S., R.30 E., Hydrologic Unit 03090101, 0.5 mi east of U. S. Highway 27, and 2.0 mi south of Lake Placid.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 60 ft, cased to 50 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.16 ft above land-surface datum.

DATUM.--Land-surface datum is 104.63 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 89.46 ft NGVD, July 29, 30, 31, Aug. 1, 1984; lowest, 87.85 ft NGVD, May 23, 24, 1984.

ELEVATION (FEET NGVD) JULY TO SEPTEMBER 1983
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										---	88.36	88.88
10										---	88.53	89.02
15										88.02	88.69	89.11
20										87.98	88.76	89.09
25										87.92	88.73	88.96
EOM										88.30	88.75	88.80
MAX										---	88.76	89.11

WTR YR 1983 HIGH 89.11 SEP 13 AND OTHERS

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	88.69	88.41	88.28	88.23	88.08	88.12	88.44	88.08	88.20	88.57	89.27	88.70
10	88.60	88.41	88.24	88.18	88.03	88.05	88.38	88.01	88.06	88.59	89.11	88.64
15	88.57	88.40	88.23	88.15	88.01	88.77	88.32	87.97	87.96	88.56	88.97	88.55
20	88.58	88.37	88.23	88.15	87.97	88.84	88.31	87.90	88.37	88.63	88.97	88.47
25	88.55	88.35	88.22	88.14	88.09	88.70	88.24	87.92	88.53	89.27	88.91	88.43
EOM	88.47	88.31	88.22	88.11	88.12	88.54	88.17	88.25	88.57	89.46	88.80	88.41
MAX	88.77	88.46	88.30	88.23	88.12	88.84	88.51	88.25	88.57	89.46	89.46	88.78

WTR YR 1984 HIGH 89.46 JUL 29 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HIGHLANDS COUNTY

WELL NUMBER.--271559081242501. Lake Grover Road Well near Lake Placid, FL.

LOCATION.--Lat 27°15'59", long 81°24'25", in NW¼NE¼ sec.15, T.37 S., R.29 E., Hydrologic Unit 03090101, on south side of Lake Groves Road, 0.5 mi west of Jefferson Avenue, and 4.0 mi southwest of Lake Placid.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 23 ft, cased to 13 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.30 ft above land-surface datum.

DATUM.--Land-surface datum is 115.56 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1956 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Observation Well H440A near Lake Placid.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 115.68 ft NGVD, Sept. 10, 1960; lowest, 106.91 ft NGVD, May 14, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	111.95	111.93	111.54	111.69	111.04	111.43	112.18	111.69	111.68	113.33	112.84	112.17
10	112.00	112.06	111.43	111.48	110.96	111.26	112.15	111.76	111.43	112.71	112.67	112.17
15	112.32	111.90	111.42	111.35	110.90	112.89	112.15	111.57	111.46	112.60	112.60	112.02
20	112.45	111.81	111.37	111.25	110.83	112.52	112.03	111.44	111.96	113.70	112.56	111.95
25	112.37	111.70	111.31	111.18	111.48	112.73	111.91	111.65	112.53	114.14	112.50	111.81
EOM	112.04	111.79	111.75	111.11	111.51	112.32	111.79	111.89	112.35	113.13	112.29	111.91
MAX	112.57	112.07	111.76	111.77	111.51	113.26	112.28	111.89	112.59	114.14	113.06	112.33

WTP YR 1984 HIGH 114.14 JUL 25

WELL NUMBER.--271712081215801. L Sirena Well at Lake Placid, FL.

LOCATION.--Lat 27°17'11", long 81° 3", in NW¼SW¼ sec.6, T.37 S., R.30 E., Hydrologic Unit 03090101, on east shore of Lake Sirena, and 0.8 mi south of Lake Placid.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, public supply, artesian well, diameter 10 in, depth 1,680 ft, cased to 750 ft.

INSTRUMENTATION.--Tape measured. Top of coupling below metal plate at land-surface datum. Prior to Nov. 3, 1983, top of 0.75 in nipple in pump base, 2.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 90 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby public supply well.

PERIOD OF RECORD.--September 1975 to September 1979 (quarterly), incomplete; October 1979 to January 1984 (bimonthly), discontinued.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.47 ft NGVD, Nov. 3, 1983; lowest measured, 65.44 ft NGVD, May 7, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET) (72020)
NOV			JAN		
03...	1355	79.47	12...	1135	72.25

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HIGHLANDS COUNTY

WELL NUMBER.--272746081232701. Sebring Well 412 near Sebring, FL.

LOCATION.--Lat 27°27'46", long 81°23'27", in NW¼SE¼ sec.2, T.35 S., R.29 E., Hydrologic Unit 03090101, on south side of State Highway 632, 0.9 mi east of State Highway 17, and 4.0 mi southeast of Sebring.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 45 ft, cased to 41 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.92 ft above land-surface datum. Prior to Jan. 13, 1981, top of casing, 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 117.80 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1948 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Observation Well H10 near Sebring.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 94.53 ft NGVD, Sept. 17, 1960; lowest, 82.13 ft NGVD, June 11, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.46	86.90	86.29	85.95	85.72	85.48	86.49	85.96	85.70	86.47	87.09	86.91
10	87.38	86.81	86.21	85.93	85.61	85.55	86.43	85.93	85.72	86.65	87.21	86.85
15	87.28	86.72	86.15	85.89	85.56	85.63	86.35	85.85	85.67	86.73	87.21	86.80
20	87.18	86.63	86.09	85.86	85.49	86.04	86.28	85.58	85.64	86.75	87.13	86.72
25	87.10	86.56	86.04	85.80	85.43	86.33	86.22	85.42	85.83	86.73	87.00	86.65
EOM	86.99	86.47	86.00	85.76	85.43	86.49	86.07	85.56	86.15	86.86	86.97	86.58
MAX	87.53	86.98	86.42	85.98	85.75	86.49	86.49	86.00	86.15	86.86	87.21	86.96

WTR YR 1984 HIGH 87.53 OCT 1

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HIGHLANDS COUNTY

WELL NUMBER.--273609081285301. ROMP 43 Shallow Well near Avon Park, FL.

LOCATION.--Lat 27°36'09", long 81°28'53", in SE¼SW¼ sec.13, T.33 S., R.28 E., Hydrologic Unit 03090101, at Highlands County Road maintenance yard east of State Highway 17A, and 2.3 mi northeast of Avon Park.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, artesian well, diameter 8 in, depth 200 ft, cased to 180 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.69 ft above land-surface datum.

DATUM.--Land-surface datum is 156.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 107.50 ft NGVD, Nov. 2, 1983; lowest, 103.55 ft NGVD, June 9, 1983.

ELEVATION (FEET NGVD), JUNE TO SEPTEMBER 1983
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5									---	104.14	104.76	105.60
10									103.66	104.21	104.91	105.74
15									103.85	104.26	105.05	105.88
20									103.88	104.34	105.19	106.04
25									103.95	104.45	105.33	106.22
EOM									104.04	104.62	105.47	106.42
MAX									---	104.62	105.47	106.42

WTR YR 1983 HIGH 106.42 SEP 30

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	106.62	107.49	107.27	107.06	106.81	106.51	106.17	105.78	105.40	105.10	105.00	104.86
10	106.83	107.49	107.24	107.03	106.74	106.45	106.10	105.69	105.40	105.10	104.98	104.85
15	107.02	107.43	107.23	107.00	106.68	106.38	106.04	105.62	105.30	105.11	104.96	104.83
20	107.20	107.37	107.20	106.96	106.64	106.33	105.98	105.56	105.30	105.08	104.94	104.81
25	107.37	107.34	107.17	106.92	106.59	106.28	105.92	105.50	105.20	105.05	104.91	104.80
EOM	107.48	107.31	107.10	106.87	106.56	106.23	105.86	105.45	105.20	105.02	104.88	104.78
MAX	107.48	107.50	107.30	107.08	106.86	106.55	106.22	105.84	105.44	105.20	105.02	104.88

WTR YR 1984 HIGH 107.50 NOV 2

WELL NUMBER.--273615081284901. ROMP 43 Floridan Well near Avon Park, FL.

LOCATION.--Lat 27°36'15", long 81°28'49", in SW¼SW¼ sec.13, T.33 S., R.28 E., Hydrologic Unit 03090101, 500 ft east of State Highway 17A, and 2.3 mi northeast of Avon Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,363 ft, cased to 409 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 5.50 ft above land-surface datum.

DATUM.--Land-surface datum is 148.28 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 94.26 ft NGVD, Sept. 25, 26, 1983; lowest, 77.63 ft NGVD, May 16, 17, 18, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	92.88	91.21	93.51	92.42	91.69	92.71	86.88	81.88	88.58	90.52	91.90	91.55
10	92.15	93.10	93.39	92.85	87.93	90.07	88.60	81.23	85.47	90.59	89.51	91.92
15	93.39	93.37	93.73	93.17	88.87	92.20	89.72	79.76	83.25	90.93	87.08	89.88
20	93.73	93.56	93.96	92.56	91.50	92.68	86.34	79.17	88.73	91.03	89.11	91.07
25	93.68	93.49	93.65	93.32	92.63	92.71	88.88	85.51	89.80	91.69	91.35	90.46
EOM	93.45	93.52	90.52	92.56	92.86	90.64	87.89	88.89	89.43	91.93	91.46	90.87
MAX	93.87	93.67	93.99	93.33	92.89	92.84	90.94	88.89	89.80	91.93	91.91	91.92

WTR YR 1984 MAX 93.99

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HIGHLANDS					
270245081283301	HIF-38 GARDINIER	27 02 45	081 28 33	01	84-05-15 84-09-25	49.38 51.58
270556081204701	HIF-26 J H HENDRIE DAIRY	27 05 56	081 20 47	01	84-05-23 84-09-25	47.46 51.03
270627081313101	HIF-23 GRAHAM CO DAIRY	27 06 27	081 31 31	01	84-05-23 84-09-25	48.80 51.38
270700081291001	HIF-22 THE GRAHAM CO	27 07 00	081 29 10	01	84-05-23 84-09-25	47.29 50.53
270953081242901	HIF-30 H S DARROH	27 09 53	081 24 29	01	84-05-23 84-09-24	47.85 51.61
271028081264901	HIF-20 KAYO WELLS	27 10 28	081 26 49	01	84-05-23 84-09-24	47.11 50.99
271045081283001	HIF-25 BLUE HEAD RANCH	27 10 45	081 28 30	01	84-05-23 84-09-24	48.56 53.08
271134081234301	HIF-5 CHARLES STIDHAM	27 11 34	081 23 43	01	84-05-23	47.43
271303081080501	71310801 37S32E33 LYKES BROS	27 13 03	081 08 05	01	84-05-15 84-09-03	44.00 47.30
271306081284801	HIF-8 BOX RANCH	27 13 06	081 28 48	01	84-09-24	50.64
271330081113401	HIF-37 SUN-RAY FARMS	27 13 30	081 11 34	01	84-05-15 84-09-18	46.51 48.92
271334081330901	HIF-24 BLUE HEAD RANCH	27 13 34	081 33 09	01	84-05-24 84-09-24	46.72 50.71
271335081052001	713105 37S32E26 LYKES BROTHERS	27 13 35	081 05 20	01	84-05-15 84-09-18	42.81 45.28
271455081054301	71410501 37S32E23	27 14 55	081 05 43	01	84-05-15 84-09-04	44.80 48.50
271456081074701	HIF-6 LYKES BROW 4IN FLOW	27 14 56	081 07 47	01	84-05-23 84-09-18	42.70 45.59
271503081080901	71510801 37S32E20 LYKES BROS	27 15 03	081 08 09	01	84-05-15 84-09-04	40.70 43.70
271726081163901	HIF-14 P G PHYPERS	27 17 26	081 16 39	01	84-05-15 84-09-17	49.02 51.16
271729081090001	71710901 37S32E05 LYKES BROS	27 17 29	081 09 00	01	84-05-15 84-09-04	40.80 42.40
271842081322701	HIF-17 MITCHELL MILLER	27 18 42	081 32 27	01	84-05-24 84-09-25	50.96 57.64
272048081322101	HIF-16 C M PAYNE	27 20 48	081 32 21	01	84-05-24 84-09-25	60.42 66.96
272224081323301	HIF-15 HAROLD YOUNG	27 22 24	081 32 33	01	84-09-25	67.51
272512081122901	HIF-13 PHILLIP METZGER	27 25 12	081 12 29	01	84-05-16 84-09-18	45.34 48.37
272835081251701	728125-- 34S29E16 NARANATHA VILLIAGE NR SEABRI	27 28 35	081 25 17	01	84-09-12	88.70
272906081142001	729114-- 34S31E28 YUCAN RANCH NR LORIDA	27 29 06	081 14 20	01	84-05-16	45.42
272915081190201	HIF-32 GUILFORD TOMLINSON	27 29 15	081 19 02	01	84-05-16 84-09-18	50.99 54.40
273007081263901	CTY SEBRING DP 24 AT SEBRING	27 30 07	081 26 39	01	84-09-12	97.37
273105081135101	HIF-33 EVERETT BONEY	27 31 05	081 13 51	01	84-05-16	45.29
273138081154201	731115-- 34S31E18 HOWERTON'S WELL NR LORIDA	27 31 38	081 15 42	01	84-05-16 84-09-18	51.36 54.12
273603081270501	73612701 33S29E19 DRESSLERS DIARY	27 36 03	081 27 05	01	84-05-16 84-09-02	75.99 73.66
273845081321901	CLENNY DP NW/O AVON PK	27 38 45	081 32 19	01	84-05-16 84-09-12	72.14 86.13

KEY TO SITE LOCATIONS ON FIGURE 9

HILLSBOROUGH COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	274031082150401	88	37	280230082205601	111
2	274114082303701	88	37	280241082231401	112
3	274240082212701	89	37	280243082203701	112
3	274240082212702	89	37A	280316082345801	113
3	274240082212703	90	37	280320082203801	114
4	274421082275401	90	37	280320082203802	114
5	274427082083701	91	40	280446082302501	115
5	274427082083702	91	40A	280503082143701	116
5	274427082083703	92	40A	280503082143702	116
6	274428082251501	92	42	280548082355701	117
6A	274503082252001	93	43	280550082202901	117
7	274546082151401	93	44	280550082355002	118
10	275130082194501	94	44A	280603082385401	118
12	275215082211901	94	45	280605082184101	119
13	275337082155401	95	45	280605082184102	119
14	275402082222701	96	46	280607082353001	120
14	275402082222702	96	47	280612082200802	120
14A	275429082093901	97	48	280627082200801	121
15	275627082150801	97	48	280627082200802	121
17	275705082222001	98	48	280631082193802	122
18	275724082221001	98	49	280631082203302	122
19	275802082044701	99	49	280629082211001	123
21	275817082325001	100	50	280649082191402	123
21	275817082325002	100	51	280651082202502	124
27	280022082210501	101	51	280651082204302	124
28	280033082200501	101	52	280652082195101	125
29	280038082340201	102	52	280655082193001	126
29	280053082350201	103	52	280655082193002	126
29	280053082350202	103	54	280659082175201	127
28	280055082203801	104	54	280659082175202	127
28	280055082222701	104	54	280659082294302	128
30	280056082362701	105	55	280702082302801	128
28	280058082202201	106	56	280703082341701	129
28	280058082202202	106	58	280728082301101	129
28A	280100082221701	107	59	280739082294202	130
31	280103082210901	107	60	280740082271001	131
31	280105082222801	108	60	280740082271002	131
31	280112082270101	108	61	280752082182701	132
34	280145082132501	109	63	280802082085801	132
35	280148082203801	109	65	280852082135601	133
35	280203082202301	110	70	280920082322101	133
36	280209082280301	110	71	280944082380501	134

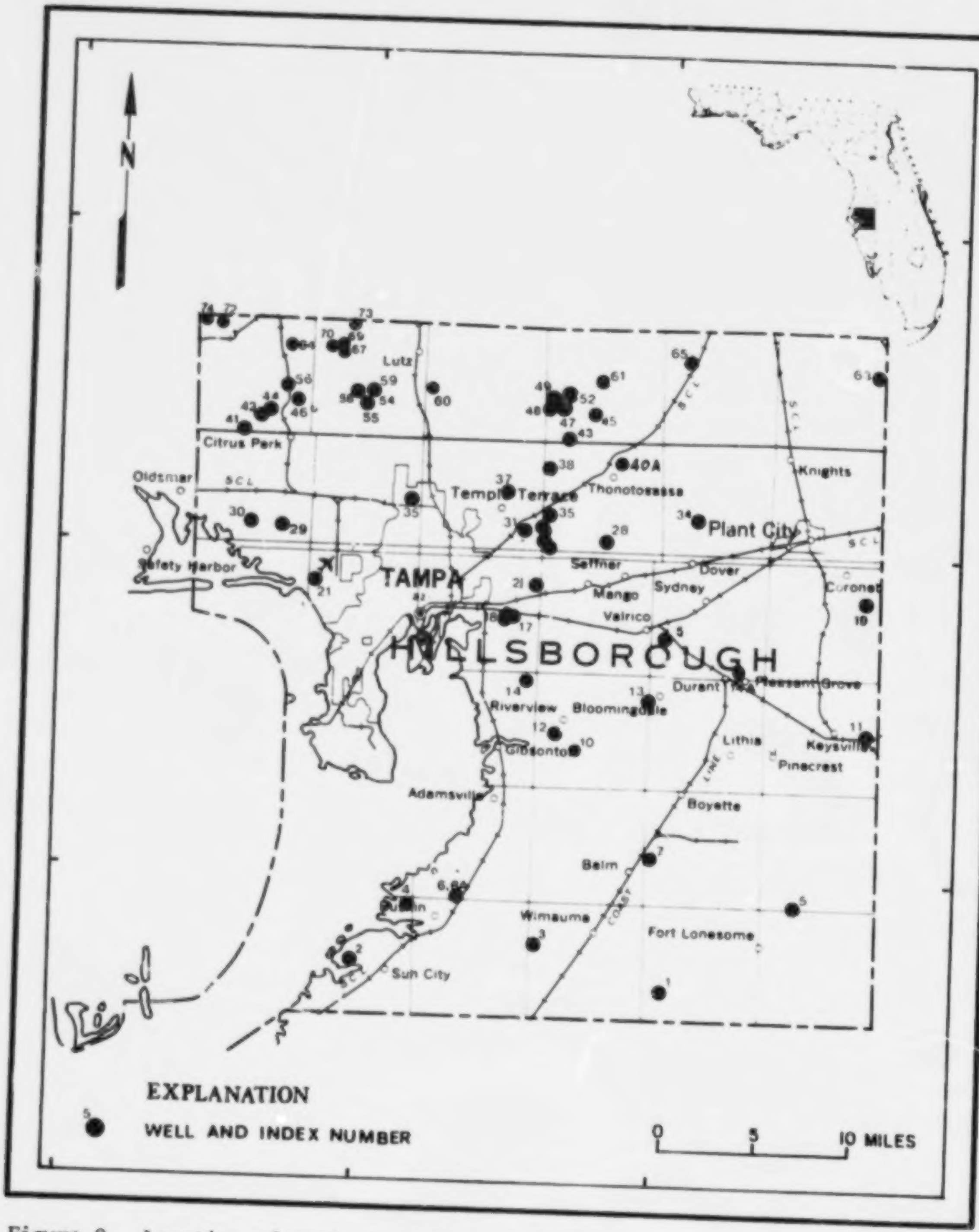
N
Lutz
Citrus Park
Oldsmar
SCL
Temple Terrace
Thonotosassa
Knights
Plant City
Safety Harbor
TAMPA
Seffner
Dover
Mango
Sydney
Valrico
Coronet
HILLSBOROUGH
Durant
Pleasant Grove
Riverview
Bloomingdale
Gibsonton
Lithia
Pinecrest
Keysville
Adamsville
Boyette
Balm
Ruskin
Wimauma
Fort Lonesome
Sun City
COAST LINE
40A
EXPLANATION
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 9. Location of wells in Hillsborough County

WELL NUMBER.--274031082150401. ROMP 123 Deep Well near Wimauma, FL.

LOCATION.--Lat 27°40'31", long 82°15'04", in NW¼NW¼ sec.30, T.32 S., R.21 E., Hydrologic Unit 03100203, 0.6 mi west of Hobbs Road, 2.0 mi south of State Highway 674, and 3.9 mi southeast of Wimauma.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 620 ft, cased to 117 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.30 ft above land-surface datum.

DATUM.--Land-surface datum is 51.98 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 52 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--June 1977 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.22 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.16 ft NGVD, Aug. 21, 1982; lowest, 18.49 ft below NGVD, May 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.34	16.76	24.23	27.30	22.14	16.16	8.77	-0.50	1.30	18.40	27.76	21.91
10	23.97	20.21	23.76	28.32	16.04	9.94	9.40	-3.60	-2.28	20.43	27.37	21.83
15	26.36	19.78	25.22	29.72	18.41	13.16	9.46	-7.10	.60	22.38	27.12	17.63
20	26.85	18.64	27.39	29.83	16.35	12.02	9.94	-9.19	8.50	23.91	26.02	17.07
25	23.36	21.17	27.97	29.63	19.80	13.87	7.43	-5.33	11.80	25.08	27.43	13.36
EOM	18.89	22.12	24.57	24.91	20.47	9.80	3.41	2.05	15.22	26.90	24.68	14.06
MAX	27.44	22.12	28.70	30.08	22.14	18.68	11.19	2.11	15.22	26.90	27.78	24.26

WTR YR 1984 MAX 30.08

WELL NUMBER.--274114082303701. Claprood Well near Ruskin, FL.

LOCATION.--Lat 27°41'14", long 82°30'37", in NE¼NW¼ sec.21, T.32 S., R.18 E., Hydrologic Unit 03100206, 15 ft north of Cockroach Road, 2.4 mi west of U. S. Highway 41, and 3.5 mi south of Ruskin.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 8 in, depth 500 ft.

INSTRUMENTATION.--Pressure gage or tape measured. Measuring point: Top of coupling, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 5.74 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1950 to December 1959 (fragmentary); September 1960 to December 1961 (monthly), incomplete; January 1962 to August 1971 (bimonthly), incomplete; September 1975 to September 1976 (fragmentary); October 1976 to September 1977 (monthly); October 1977 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Claprod Well near Ruskin.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft NGVD, Mar. 6, 1958; lowest measured, 1.05 ft NGVD, May 15, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 09...	1115	12.52	JUN 26...	1400	19.56
JAN 11...	1450	15.14	SEP 06...	1345	14.24
MAR 02...	1130	6.82			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--274240082212701. ROMP 50 Floridan Well near Wimauma, FL.

LOCATION.--Lat 27°42'40", long 82°21'27", in NW¼SE¼ sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 6 in, depth 562 ft, cased to 200 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.44 ft above land-surface datum.

DATUM.--Land-surface datum is 44.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--February 1976 to current year. Prior to October 1979, published as ROMP Deep Well No. 50 near Wimauma.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.61 ft NGVD, Oct. 1, 1979; lowest, 17.27 ft below NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.74	7.27	13.48	17.20	12.01	7.73	3.82	-6.98	-3.81	11.70	17.63	8.67
10	11.71	11.65	12.58	17.04	6.72	4.25	4.26	-8.28	-5.26	11.83	15.84	9.27
15	15.54	10.73	15.10	18.75	8.89	6.90	3.87	-10.59	-0.60	13.56	15.41	5.72
20	15.73	9.01	17.51	18.67	6.83	4.66	3.39	-12.46	5.20	14.13	14.21	7.06
25	12.79	12.01	18.38	18.26	10.84	6.70	.54	-7.41	7.55	15.93	15.56	4.86
EOM	9.27	12.98	15.41	13.98	11.59	3.49	-3.07	-1.59	9.87	17.02	10.54	6.74
MAX	16.55	12.98	18.45	18.93	12.76	10.61	4.98	-1.59	9.87	17.02	17.71	9.93

WTR YR 1984 MAX 18.93

WELL NUMBER.--274240082212702. ROMP 50 Shallow Well near Wimauma, FL.

LOCATION.--Lat 27°42'40", long 82°21'27", in NW¼SE¼ sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in, depth 37.5 ft, cased to 32.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 43.96 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 43.79 ft NGVD, Sept. 22, 23, 1977; lowest, 39.94 ft NGVD, May 30, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.76	41.56	41.66	42.06	41.83	41.88	42.11	41.25	41.22	41.78	42.15	41.57
10	42.04	42.19	41.43	42.44	41.62	41.66	41.83	41.33	40.96	41.49	41.84	41.41
15	42.13	41.73	42.11	42.14	41.78	42.25	41.78	41.01	41.12	41.80	42.42	41.30
20	41.89	41.87	42.41	42.18	41.63	41.86	41.59	40.76	41.68	41.74	41.99	41.37
25	41.69	41.91	41.97	41.99	42.01	42.12	41.55	41.51	41.52	42.13	42.02	41.13
EOM	41.52	41.89	42.49	41.80	42.33	41.65	41.36	41.56	41.50	42.72	41.59	41.84
MAX	42.15	42.20	42.75	42.44	42.43	42.53	42.11	41.72	41.73	42.72	42.62	41.98

WTR YR 1984 MAX 42.75

HILLSBOROUGH COUNTY

WELL NUMBER.--274240082212703. ROMP 50 Avon Park Well near Wimauma, FL.

LOCATION.--Lat 27°42'40", long 82°21'27", in NW¼SE¼ sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,430 ft, cased to 1,393 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.90 ft above land-surface datum.

DATUM.--Land-surface datum is 44.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.95 ft NGVD, Aug. 23, 24, 1982; lowest, 13.05 ft below NGVD May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.67	8.20	10.89	12.68	10.58	8.43	4.40	-0.34	-0.80	5.49	10.11	7.32
10	9.60	9.52	10.62	12.78	8.42	7.17	4.89	-1.64	-2.19	6.17	10.16	7.73
15	11.32	9.96	11.11	13.68	8.44	6.49	4.29	-2.97	-1.36	6.88	9.38	6.86
20	12.81	8.68	12.56	14.01	8.09	6.57	5.19	-4.47	1.71	7.66	9.64	6.02
25	11.38	9.73	13.32	13.95	9.59	6.46	3.14	-3.50	3.31	8.39	10.13	6.12
EOM	9.46	10.19	11.76	12.73	9.95	6.47	1.48	-0.36	4.36	9.35	9.05	5.60
MAX	12.81	10.19	13.32	14.05	12.22	9.94	5.82	1.10	4.36	9.35	10.26	8.59

WTR YR 1984 MAX 14.05

WELL NUMBER.--274421082275401. ROMP 9-1 Transect Deep Well near Ruskin, FL.

LOCATION.--Lat 27°44'21", long 82°27'54", in NW¼SW¼ sec.36, T.31 S., R.18 E., Hydrologic Unit 03100206, at Simmons Park, 2.2 mi northwest of Ruskin.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 288 ft, cased to 124 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 8.90 ft above land-surface datum. Prior to Mar. 6, 1978, hole in cap, 8.8 ft above land-surface datum.

DATUM.--Land-surface datum is 3.86 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 4 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--October 1976 to current year (monthly). The figures of water level as elevation in feet NGVD, prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.26 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.51 ft NGVD, Aug. 31, 1981; lowest measured, 3.12 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
09...	0959	11.56	15...	1510	5.68
DEC			23...	1600	5.79
06...	1047	12.20	31...	1230	8.98
JAN			JUN		
16...	1100	13.51	26...	1430	11.82
FEB			AUG		
07...	1236	10.81	20...	1600	12.66
MAR			SEP		
02...	1100	11.00	06...	1330	11.72
APR			10...	1300	11.47
05...	1015	9.96			

WELL NUMBER.--274427082083701. ROMP 48 Floridan Well near Ft. Lonesome, FL.

LOCATION.--Lat 27°44'27", long 82°08'37", in NW¼SE¼ sec.31, T.31 S., R.22 E., Hydrologic Unit 03100204, 0.25 mi east of State Highway 39, and 2.4 mi north of Ft. Lonesome.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 6 in, depth 541 ft, cased to 215 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 101.04 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby industrial wells.

PERIOD OF RECORD.--March 1976 to September 1981; October 1981 to September 1983 (bimonthly); October 1983 to September 1984 (monthly). Prior to October 1977, published as ROMP Deep Well No. 48 near Ft. Lonesome.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.64 ft NGVD, Aug. 31, 1982; lowest daily maximum water level, 5.71 ft NGVD, May 24, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV		
10...	1117	43.61
DEC		
05...	1105	45.67
JAN		
09...	1020	45.43
FEB		
07...	1021	43.74
28...	1205	41.82
APR		
03...	1605	38.22
MAY		
01...	1032	34.77
MAY		
16...	0925	25.46
31...	1118	24.65
JUL		
19...	1102	38.31
AUG		
15...	1531	42.88
SEP		
11...	1412	41.13
11...	1550	41.18
19...	1123	38.28
25...	1011	36.96

WELL NUMBER.--274427082083702. ROMP 48 Hawthorn Well near Ft. Lonesome, FL.

LOCATION.--Lat 27°44'27", long 82°08'37", in NW¼SE¼ sec.31, T.31 S., R.22 E., Hydrologic Unit 03100204, 0.25 mi east of State Highway 39, and 2.4 mi north of Ft. Lonesome.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 6 in, depth 61 ft, cased to 45 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 101.10 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1976 to current year. Prior to October 1977, published as ROMP Shallow Well No. 48 near Ft. Lonesome.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 97.56 ft NGVD, Sept. 27, 28, 1979; lowest, 89.43 ft NGVD, May 5, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	95.25	93.91	93.28	94.65	93.83	93.81	93.26	92.40	91.57	91.96	93.43	92.93
10	94.97	93.77	93.16	94.48	93.61	93.66	93.11	92.22	91.42	92.09	93.53	92.87
15	94.79	93.58	93.23	94.35	93.67	93.62	92.99	92.03	91.29	92.14	93.43	92.67
20	94.64	93.39	93.62	94.24	93.60	93.53	92.85	91.85	91.78	92.24	93.21	92.52
25	94.43	93.32	93.76	94.13	93.80	93.48	92.72	91.78	91.82	92.53	93.31	92.34
EOM	94.12	93.20	94.51	93.95	93.85	93.33	92.54	91.75	91.74	92.92	93.11	92.52
MAX	95.45	94.08	94.51	94.66	93.91	93.84	93.31	92.52	91.82	92.92	93.53	93.06

WTR YR 1984 MAX 95.45

WELL NUMBER.--274427082083703. ROMP 48 Avon Park Well near Ft. Lonesome, FL.

LOCATION.--Lat 27°44'27", long 82°08'37", in NW¼SE¼ sec.31, T.31 S., R.22 E., Hydrologic Unit 03100204, 0.25 mi east of State Highway 39, and 2.4 mi north of Ft. Lonesome.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 6 in, depth 815 ft, cased to 780 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.71 ft above land-surface datum.

DATUM.--Land-surface datum is 102.06 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.88 ft NGVD, Aug. 26, 1982; lowest, 3.60 ft NGVD, May 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.04	41.26	43.97	43.76	43.80	38.84	35.76	29.91	24.37	32.41	40.76	40.41
10	45.93	41.88	43.94	44.24	40.58	38.22	36.03	26.77	23.84	34.03	40.98	39.82
15	45.44	42.34	44.50	45.06	39.43	37.29	34.93	24.04	22.97	35.68	41.64	38.31
20	45.92	41.60	45.56	45.54	39.50	37.29	35.45	21.40	25.82	37.15	41.58	36.82
25	45.78	42.47	45.92	46.18	40.04	37.55	35.32	20.84	28.13	38.17	41.57	35.51
EOM	43.43	42.54	43.16	45.51	40.22	37.57	33.14	23.13	30.07	39.80	41.70	33.62
MAX	48.11	42.88	46.42	46.32	44.94	40.20	37.21	32.72	30.07	39.80	42.05	41.61

WTR YR 1984 MAX 48.11

WELL NUMBER.--274428082251501. ROMP 9-3 Transect Shallow Well near Ruskin, FL.

LOCATION.--Lat 27°44'28", long 82°25'15", in NE¼SE¼ sec.32, T.31 S., R.19 E., Hydrologic Unit 03100206, 80 ft east of U. S. Highway 41, and 1.6 mi northeast of Ruskin.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in, depth 25 ft, cased to 20 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.24 ft above land-surface datum. Prior to July 28, 1980, top of coupling, 2.8 ft above land-surface datum; July 28, 1980, to Sept. 28, 1982, top of casing, 2.64 ft above land-surface datum; Sept. 28, 1982, to Aug. 30, 1983, top of recorder shelter floor, 3.89 ft above land-surface datum; Aug. 30, 1983, to May 17, 1984, top of coupling, 1.28 ft above land-surface datum.

DATUM.--Land-surface datum is 6.57 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1981, land-surface datum was considered to be 8 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--October 1976 to September 1982 (monthly); October 1982 to September 1983 (incomplete). The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1981, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.23 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.96 ft NGVD, Mar. 10, 1978; lowest measured, 3.44 ft below NGVD, May 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
14...	1000	2.35	26...	1508	3.07
DEC			SEP		
06...	1016	2.54	06...	1145	3.04
MAY			11...	1000	2.81
15...	1800	0.08			
17...	1804	-0.17			
18...	1052	-0.40			

WELL NUMBER.--274503082252001. Dickman Well near Ruskin, FL.

LOCATION.--Lat 27°45'25", long 82°25'02", in NW¼NW¼ sec.33, T.31 S., R.19 E., Hydrologic Unit 03100206, 0.2 mi west of U. S. Highway 41, and 2.3 mi north of Ruskin.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in, depth 536 ft, cased to 37 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 14.60 ft above land-surface datum.

DATUM.--Land-surface datum is 7.30 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.18 ft NGVD, Aug. 21, 1982; lowest, 6.70 ft below NGVD, May 22, 23, 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.66	2.30	6.11	11.05	7.75	5.76	5.36	-1.96	1.98	9.21	12.60	6.00
10	7.22	8.88	7.44	11.55	4.57	2.89	4.67	-2.18	.95	9.43	10.30	6.40
15	10.82	4.86	10.35	12.05	5.98	6.64	5.28	-4.05	4.10	10.60	10.60	3.30
20	7.29	7.20	11.18	11.65	6.56	4.96	3.72	-4.97	6.90	11.30	11.20	3.90
25	4.90	5.31	11.61	11.14	7.41	6.51	2.34	-0.95	7.78	11.70	9.20	2.00
EOM	2.67	9.13	10.65	8.61	7.98	3.39	-0.71	3.30	8.62	13.10	4.30	3.10
MAX	10.96	9.13	11.82	12.19	9.04	6.64	6.10	3.33	8.62	13.10	13.10	7.33

WTR YR 1984 HIGH 13.10 JUL 29 AND OTHERS

NOTE.--Record estimated July 12 to Sept. 5, Sept. 7-30.

WELL NUMBER.--274546082151401. ROMP 49 Deep Well at Balm, FL.

LOCATION.--Lat 27°45'46", long 82°15'14", in NE¼NE¼ sec.25, T.31 S., R.20 E., Hydrologic Unit 03100206, 250 ft southwest of intersection State Highway 672 and Boyette-Balm Road, and 0.6 mi northeast of Balm.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 620 ft, cased to 195 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.13 ft above land-surface datum. Prior to Nov. 14, 1976, top of recorder shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 143.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.40 ft NGVD, Aug. 22, 1982; lowest, 16.18 ft below NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.16	19.35	25.12	28.07	23.45	17.51	10.85	-2.03	2.30	19.50	28.46	22.58
10	26.44	22.45	23.96	28.47	16.45	12.02	11.50	-2.32	-0.46	21.41	28.30	23.19
15	28.64	22.66	26.39	30.66	18.51	15.15	11.06	-6.39	4.01	23.25	28.00	20.91
20	29.86	20.36	28.98	30.61	17.00	13.05	12.06	-9.50	9.64	24.82	26.89	19.68
25	25.97	22.34	30.38	30.95	20.71	14.64	7.91	-2.61	13.60	25.98	28.21	17.29
EOM	22.18	23.50	25.42	24.89	20.53	10.75	3.59	4.61	16.77	27.59	24.72	16.74
MAX	30.01	23.66	30.51	31.33	26.18	19.91	13.44	4.61	16.77	27.59	28.66	24.23

WTR YR 1984 MAX 31.33

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--275130082194501. Rivercrest Well at Riverview, FL.

LOCATION.--Lat 27°51'30", long 82°19'45", in SE¼NW¼ sec.20, T.30 S., R.20 E., Hydrologic Unit 03100204, 500 ft north of Gibsonton Road, 700 ft west of U. S. Highway 301, and 0.7 mi south of Riverview.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 8 in, depth 178 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.09 ft above land-surface datum. Prior to Sept. 17, 1981, top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 37.93 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--July 1971 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.93 ft NGVD, Sept. 30, 1979; lowest, 3.22 ft NGVD, May 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.95	13.28	14.23	16.26	14.76	14.10	12.30	9.71	9.60	12.50	15.56	14.13
10	14.71	14.03	14.00	16.41	13.91	14.00	12.40	9.40	8.80	13.10	15.43	14.49
15	15.45	13.95	14.83	16.55	13.93	13.50	11.60	8.91	9.50	13.60	15.13	13.71
20	15.51	13.71	15.57	16.61	13.38	13.40	11.90	7.69	10.40	13.80	15.60	13.53
25	14.93	14.14	15.74	16.41	14.38	12.90	11.20	9.04	11.10	14.40	15.70	13.27
EOM	13.81	14.21	15.60	15.83	14.52	12.50	10.60	10.72	11.60	15.01	14.85	13.59
MAX	15.65	14.40	15.92	16.63	15.51	14.60	12.50	10.72	11.60	15.01	15.76	14.70

WTR YR 1984 HIGH 16.63 JAN 19

NOTE.--Record estimated Feb. 29 to May 2, June 3 to July 27.

WELL NUMBER.--275215082201901. U. S. Phosphoric Well at Riverview, FL.

LOCATION.--Lat 27°52'15", long 82°20'19", in NE¼SE¼ sec.18, T.30 S., R.20 E., Hydrologic Unit 03100204, 20 ft south of Riverview Drive, and 0.7 mi west of Riverview.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 16 in, depth 830 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 12 in coupling, 0.83 ft above land-surface datum.

DATUM.--Land-surface datum is 23.19 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1962 to September 1977 (bimonthly); October 1977 to current year (monthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.30 ft NGVD, Sept. 26, 1962; lowest measured, 0.20 ft below NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
14...	0930	10.43	03...	0910	7.35
NOV			MAY		
07...	0812	8.80	02...	0915	5.74
DEC			JUN		
07...	0910	9.35	01...	0743	6.37
JAN			JUL		
09...	1355	11.27	27...	1440	9.79
FEB			SEP		
07...	1355	9.18	12...	1000	9.96
29...	0900	9.51	19...	1259	9.14

WELL NUMBER.--275337082155401. Bloomingdale Road Well near Bloomingdale, FL.

LOCATION.--Lat 27°53'37", long 82°15'54", in SE¼SW¼ sec.1, T.30 S., R.20 E., Hydrologic Unit 03100204, on north side of Bloomingdale Road, 1.3 mi east of Bloomingdale, and 6.3 mi northwest of Lithia.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 183 ft, cased to 168 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, at land-surface datum.

DATUM.--Altitude of land-surface datum is 53 ft, from topographic map.

PERIOD OF RECORD.--August 1964 to September 1977 (bimonthly); October 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Bloomingdale Road Well near Lithia.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.66 ft NGVD, July 3, 1974; lowest measured, 8.52 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
13...	1030	15.95	05...	1230	15.09
NOV			MAY		
14...	1400	14.82	01...	0930	12.76
DEC			31...	0850	12.71
07...	0853	14.60	JUL		
JAN			30...	1354	15.30
16...	1030	15.75	SEP		
FEB			10...	0900	16.47
07...	0921	14.70	19...	1154	13.69
MAR					
05...	1245	14.70			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--275402082222701. ROMP TR 10-2 Deep Well near Tampa, FL.

LOCATION.--Lat 27°54'02", long 82°22'27", in NW¼SE¼ sec.2, T.30 S., R.19 E., Hydrologic Unit 03100206, 69 ft south of State Highway 676A, 1.6 mi east of U. S. Highway 41, and 6.2 mi southeast of Tampa.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 125 ft, cased to 115 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 5.52 ft above land-surface datum.

DATUM.--Land-surface datum is 13.87 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.43 ft NGVD, July 8, 1983; lowest, 0.22 ft NGVD, May 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.40	6.57	7.09	8.60	7.39	6.70	6.42	4.83	4.56	5.76	7.59	7.13
10	7.40	7.10	6.67	8.84	6.86	5.91	6.06	4.04	4.27	5.82	7.52	7.22
15	7.40	6.78	7.26	8.45	7.00	5.99	5.83	4.07	4.54	6.09	7.41	6.82
20	6.90	6.83	7.35	8.41	6.15	6.16	5.63	3.56	5.18	7.04	8.07	6.72
25	6.80	7.24	7.43	8.31	7.04	6.24	5.60	4.30	5.30	7.02	7.83	6.49
EOM	6.70	7.03	8.10	7.96	7.06	6.01	5.20	5.02	5.51	7.21	7.42	6.84
MAX	7.50	7.42	8.14	8.87	7.62	6.85	6.42	5.10	5.51	7.21	8.10	7.32

WTR YR 1984 HIGH 8.87 JAN 11

WELL NUMBER.--275402082222702. ROMP TR 10-2 Shallow Well near Tampa, FL.

LOCATION.--Lat 27°54'02", long 82°22'27", in NW¼SE¼ sec.2, T.30 S., R.19 E., Hydrologic Unit 03100206, 69 ft south of State Highway 676A, 1.6 mi east of U. S. Highway 41, and 6.2 mi southeast of Tampa.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 13.6 ft, cased to 13.6 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 5.82 ft above land-surface datum.

DATUM.--Land-surface datum is 13.87 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 15 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--September 1978 to September 1979 (monthly); October 1979 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.69 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.06 ft NGVD, Jan. 8, 1979; lowest daily maximum water level, 9.75 ft NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.16	12.26	12.45	14.03	13.70	13.92	14.16	11.24	10.46	11.89	14.20	12.82
10	14.37	13.27	12.02	14.48	13.60	13.16	13.90	10.97	10.31	11.59	13.52	11.90
15	14.28	12.47	14.47	14.17	13.70	13.93	14.20	10.74	10.96	12.28	12.41	11.59
20	14.09	14.18	14.34	14.27	13.80	14.07	12.29	10.55	11.99	11.88	14.43	11.50
25	14.01	13.99	14.10	14.12	14.20	13.97	11.78	11.07	11.45	12.99	14.10	11.14
EOM	12.92	12.96	14.30	13.90	14.13	12.19	11.49	10.82	12.33	14.21	13.15	13.62
MAX	14.45	14.18	14.53	14.48	14.30	14.43	14.49	11.45	12.33	14.57	14.57	14.41

WTR YR 1984 HIGH 14.57 JUL 30 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--275429082093901. ROMP 61 Well at Pleasant Grove, FL.

LOCATION.--Lat 27°54'29", long 82°09'39", in SW¼SE¼ sec.36, T.29 S., R.21 E., Hydrologic Unit 03100204, 0.6 mi southeast of gage at Edward Medard Reservoir, and 0.6 mi northeast of intersection Turkey Creek Road and Durant Road at Pleasant Grove.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 1,000 ft, cased to 60 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.90 ft above land-surface datum.

DATUM.--Land-surface datum is 71.53 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 54.23 ft NGVD, Apr. 5, 1983; lowest, 27.47 ft NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.65	45.91	50.01	48.80	51.47	49.69	48.12	44.70	42.27	45.67	50.20	50.78
10	51.18	47.73	50.14	50.88	48.20	49.48	48.58	43.74	40.90	47.00	50.61	50.71
15	51.00	48.20	50.72	51.75	49.53	49.28	48.44	43.54	40.08	47.30	50.71	49.66
20	50.13	48.36	51.49	52.39	49.80	48.75	48.27	40.86	41.68	48.10	51.06	49.05
25	49.21	49.41	51.53	52.85	50.29	48.98	47.95	40.92	43.28	48.70	51.24	47.01
EOM	47.14	49.99	46.24	51.58	50.41	48.19	46.29	42.42	44.40	49.80	51.25	46.83
MAX	53.23	49.99	51.54	52.85	51.51	50.36	48.58	46.17	44.40	49.80	51.37	51.19

WTR YR 1984 HIGH 53.23 OCT 1

NOTE.--Record estimated June 27 to July 2, July 6 to Aug. 6.

WELL NUMBER.--275627082150801. Turner Well near Brandon, FL.

LOCATION.--Lat 27°56'27", long 82°15'08", in SW¼SW¼ sec.19, T.29 S., R.21 E., Hydrologic Unit 03100205, 100 ft east of Valrico Road, 500 ft north of U. S. Highway 60, and 1.5 mi east of Brandon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 342 ft, cased to 60 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.49 ft above land-surface datum. Prior to Sept. 18, 1978, top of coupling, at land-surface datum; Sept. 18, 1978, to May 26, 1983, top of recorder shelter floor, 3.13 ft above land-surface datum.

DATUM.--Land-surface datum is 36.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1963 to August 1978 (bimonthly); September 1978 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.40 ft estimated, NGVD, Oct. 4, 1979; lowest, 10.87 ft NGVD, May 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.33	17.97	17.60	18.30	18.35	17.70	16.95	15.49	14.88	16.25	19.32	20.36
10	19.01	18.13	17.49	18.43	17.66	17.36	17.01	15.30	14.23	16.55	20.14	20.40
15	19.22	17.94	17.72	18.58	17.82	17.31	16.94	14.94	14.26	16.84	20.47	19.76
20	19.03	17.74	18.18	18.71	17.63	17.04	16.60	14.43	15.13	17.29	20.87	19.56
25	18.79	17.81	18.16	18.76	18.00	17.17	15.90	14.98	15.60	17.68	21.16	18.85
EOM	18.23	17.76	17.90	18.55	17.97	16.86	15.68	15.57	15.84	18.18	20.78	19.10
MAX	19.75	18.20	18.35	18.76	18.46	17.89	17.01	15.83	15.84	18.18	21.20	20.63

WTR YR 1984 MAX 21.20

HILLSBOROUGH COUNTY

WELL NUMBER.--275705082222001. ROMP TR 11-2 Well near Tampa, FL.

LOCATION.--Lat 27°57'05", long 82°22'20", in NE¼NE¼ sec.23, T.29 S., R.19 E., Hydrologic Unit 03100206, 100 ft east of Tampa Bypass Canal, 100 ft south of State Highway 60, at southeastern city limits of Tampa.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 315 ft, cased to 300 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 8.00 ft above land-surface datum.

DATUM.--Land-surface datum is 14.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.36 ft NGVD, Apr. 2, 1983; lowest, 9.60 ft NGVD, May 19, 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.39	14.13	14.01	14.20	14.09	13.84	13.49	12.80	12.24	13.19	14.29	14.12
10	14.35	14.07	13.84	14.48	13.67	13.46	13.38	12.11	12.20	13.18	14.15	14.38
15	14.69	13.93	13.98	14.29	13.70	13.29	13.52	12.13	12.16	13.53	14.25	13.96
20	14.54	14.28	14.07	14.18	13.76	13.58	13.28	12.05	12.55	13.47	14.69	13.88
25	14.41	14.39	14.09	14.16	13.85	13.75	13.05	12.26	12.68	13.62	14.53	13.59
EOM	14.23	13.74	14.04	14.04	13.67	13.22	12.89	12.55	12.87	13.96	14.34	14.12
MAX	14.80	14.39	14.31	14.48	14.20	13.84	13.57	12.80	12.87	13.99	14.69	14.42

WTR YR 1984 MAX 14.80

WELL NUMBER.--275724082221001. Structure 160 Well near Tampa, FL.

LOCATION.--Lat 27°57'24", long 82°22'10", in NE¼SE¼ sec.14, T.29 S., R.19 E., Hydrologic Unit 03100206, on right bank 50 ft upstream from structure S-160 on Tampa Bypass Canal, at southeastern city limits of Tampa, and 0.4 mi north of State Highway 60.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 10 in, depth 240 ft, cased to 85 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 14.95 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1971 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.46 ft NGVD, Sept. 30, 1979; lowest, 8.37 ft NGVD, May 5, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.38	14.15	14.04	14.16	14.13	13.90	13.58	13.08	12.50	13.40	14.50	14.06
10	14.28	14.06	13.98	14.31	13.68	13.58	13.42	12.08	12.40	13.34	14.50	14.33
15	14.64	13.69	14.00	14.24	13.74	13.26	13.64	12.32	12.10	13.70	14.17	14.04
20	14.50	14.38	14.08	14.05	13.85	13.48	13.38	12.34	12.60	13.60	14.61	13.92
25	14.36	14.43	14.25	13.98	13.93	13.89	13.14	12.50	12.80	13.80	14.46	13.48
EOM	14.25	13.46	14.14	13.91	13.52	13.35	13.13	12.80	13.02	14.30	14.23	14.17
MAX	14.86	14.45	14.40	14.40	14.17	13.90	13.69	13.08	13.02	14.30	14.69	14.43

WTR YR 1984 MAX 14.86

NOTE.--Record estimated May 23 to June 27, July 12 to Aug. 13.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--275802082044701. Fletcher Lett Well near Plant City, FL.

LOCATION.--Lat 27°58'02", long 82°04'47", in SW¼SE¼ sec.11, T.29 S., R.22 E., Hydrologic Unit 03100204, 60 ft north of Trapnell Road, 2.6 mi east of State Highway 39, and 3.0 mi south of Plant City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 8 in, depth 530 ft, cased to 100 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in pump base, 1.0 ft above land-surface datum.

DATUM.--Land-surface datum is 122.60 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 124 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1963 to September 1977 (bimonthly), incomplete; October 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.40 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.21 ft NGVD, Nov. 12, 1970; lowest measured, 43.00 ft NGVD, May 13, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
03...	0920	79.29	01...	0843	71.81
NOV			JUN		
08...	0921	75.11	06...	1627	65.75
DEC			JUL		
13...	0730	77.59	03...	1620	69.40
JAN			AUG		
04...	0640	75.89	07...	0912	74.07
FEB			SEP		
14...	1246	76.87	05...	0840	74.77
MAR			12...	1005	74.66
07...	0826	76.44			
26...	0730	75.49			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--275817082325001. ROMP TR 12-1 Deep Well near Tampa, FL.

LOCATION.--Lat 27°58'17", long 82°32'50", in SW¼NE¼ sec.7, T.29 S., R.18 E., Hydrologic Unit 03100206, 100 ft west of State Highway 589, 1.0 mi southwest of Tampa International Airport, and 5.7 mi west of Tampa.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 128 ft, cased to 123 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.28 ft above land-surface datum.

DATUM.--Land-surface datum is 6.36 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by tidal fluctuations.

PERIOD OF RECORD.--October 1976 to current year. Prior to October 1979, published as ROMP Deep Well 64 near Tampa.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.08 ft NGVD, June 18, 1982; lowest, 4.13 ft NGVD, Mar. 8, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.41	6.22	6.36	6.27	5.65	5.10	5.94	5.75	5.45	5.70	6.28	6.13
10	5.87	6.56	5.71	6.68	5.20	4.56	6.11	4.66	5.30	6.00	6.15	6.06
15	6.09	6.20	6.32	6.06	4.94	4.96	6.01	4.99	5.89	6.22	5.95	5.99
20	6.19	6.57	6.18	5.91	4.68	5.01	5.90	5.24	5.12	5.67	6.44	5.90
25	6.36	6.65	4.75	6.40	4.87	5.50	5.19	5.30	5.10	6.27	6.48	5.54
EOM	6.03	5.76	5.08	6.15	4.92	5.22	5.50	5.80	5.29	6.56	5.96	6.00
MAX	6.77	6.89	6.52	6.91	5.90	6.91	6.53	6.26	5.89	6.69	6.57	6.13

WTR YR 1984 HIGH 6.91 JAN 19 AND OTHERS

WELL NUMBER.--275817082325002. ROMP TR 12-1 Shallow Well near Tampa, FL.

LOCATION.--Lat 27°58'17", long 82°32'50", in SW¼NE¼ sec.7, T.29 S., R.18 E., Hydrologic Unit 03100206, 100 ft west of State Highway 589, 1.0 mi southwest of Tampa International Airport, and 5.7 mi west of Tampa.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 9 ft, cased to 7 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of coupling, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 6.36 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January to April 1977 (bimonthly); April 1977 to current year. Prior to October 1979, published as ROMP Shallow Well 64 near Tampa.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.80 ft NGVD, May 8, 1979; lowest, 1.82 ft NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.20	3.15	3.55	3.79	3.56	3.72	4.62	2.74	3.01	4.18	3.85	4.83
10	3.31	3.59	3.34	4.99	3.27	3.42	3.76	2.54	2.72	3.55	3.78	3.62
15	4.40	3.28	4.82	3.96	3.91	3.81	3.90	2.37	2.70	3.84	3.74	3.20
20	3.43	4.73	4.14	4.42	3.63	3.45	3.23	2.23	2.53	3.13	4.26	3.31
25	4.04	3.95	3.70	3.85	3.95	3.71	3.05	4.93	2.63	3.35	3.82	2.86
EOM	3.22	3.60	4.64	3.56	4.61	3.26	2.87	3.50	4.03	5.18	3.28	4.00
MAX	4.40	4.73	5.78	4.99	5.36	4.66	4.97	4.99	4.03	5.30	5.27	5.22

WTR YR 1984 MAX 5.78

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280022082210501. SWFWMD Well west of Vandenberg Airport near Temple Terrace, FL.

LOCATION.--Lat 28°00'22", long 82°21'05", in NW¼SE¼ sec.31, T.28 S., R.20 E., Hydrologic Unit 03100206, 0.9 mi northeast of intersection Interstate 4 and U. S. Highway 301, and 3.4 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 37 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.94 ft above land-surface datum. Prior to July 6, 1978, top of coupling, 2.50 ft above land-surface datum; July 6, 1978, to Mar. 12, 1982, top of recorder shelter floor, 2.16 ft above land-surface datum.

DATUM.--Land-surface datum is 17.98 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1976 to June 1978 (twice monthly); July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.75 ft NGVD, Sept. 11, 1979; lowest water level measured, 12.94 ft NGVD, June 29, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.46	16.31	16.11	16.30	16.25	16.16	16.21	15.86	15.52	15.84	16.39	16.58
10	16.49	16.32	16.06	16.42	16.13	16.07	16.09	15.81	15.41	15.89	16.46	16.40
15	16.50	16.20	16.27	16.23	16.13	16.03	16.14	15.58	15.39	15.97	16.47	16.64
20	16.45	16.29	16.19	16.25	16.14	16.00	16.07	15.51	15.54	16.06	16.65	16.59
25	16.43	16.20	16.19	16.20	16.16	16.15	16.02	15.65	15.59	16.32	16.68	16.39
EOM	16.35	16.14	16.19	16.25	16.29	16.04	15.91	15.62	15.72	16.42	16.63	16.54
MAX	16.50	16.32	16.34	16.42	16.33	16.25	16.23	15.90	15.77	16.42	16.76	16.68

WTR YR 1984 MAX 16.76

WELL NUMBER.--280033082200501. Tampa Bypass Deep Well 609 near Temple Terrace, FL.

LOCATION.--Lat 28°00'33", long 82°20'05", in NW¼NW¼ sec.32, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.7 mi northeast of intersection Interstate 4 and U. S. Highway 301, and 3.9 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused private, artesian well, diameter 8 in, depth 310 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point. Top of recorder shelter floor, 3.30 ft above land-surface datum.

DATUM.--Land-surface datum is 20.65 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 20.50 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--September 1973 to September 1975 (quarterly), incomplete; May 1976 to November 1976 (monthly); December 1976 to September 1977 (twice monthly); October 1977 to April 1981 (bimonthly), incomplete; April to September 1981; October 1981 to September 1982 (monthly); October 1982 to June 1984 (discontinued). Records of water levels prior to October 1976 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.15 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.46 ft NGVD, Sept. 20, 1974; lowest daily maximum water level, 13.86 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO JUNE 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.58	19.02	18.57	18.77	18.84	18.68	18.39	17.85	17.27			
10	19.47	18.98	18.48	18.89	18.62	18.55	18.36	17.70	17.04			
15	19.51	18.83	18.60	18.84	18.65	18.49	18.38	17.50	16.95			
20	19.41	18.80	18.68	18.87	18.60	18.43	18.31	17.27	17.22			
25	19.33	18.69	18.65	18.89	18.67	18.47	18.24	17.40	---			
EOM	19.14	18.64	18.53	18.87	18.71	18.33	18.04	17.[illegible]1	---			
MAX	19.64	19.11	18.74	18.93	18.90	18.68	18.41	17.99	---			

WTR YR 1984 HIGH 19.64 OCT 1 AND OTHERS

WELL NUMBER.--280038082340201. Channel G BM Deep Well near Tampa, FL.

LOCATION.--Lat 28°00'38", long 82°34'02", in NE¼NW¼ sec.35, T.28 S., R.17 E., Hydrologic Unit 03100206, 40 ft south of Channel G, 100 ft west of Webb Road, and 8.6 mi northwest of Tampa.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 120 ft, cased to 115 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 7.80 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by tidal fluctuations.

PERIOD OF RECORD.--September 1975 to September 1981; October 1981 to September 1982 (monthly), incomplete; October 1982 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.07 ft NGVD, Sept. 22, 1979; lowest, 4.56 ft NGVD, Apr. 3, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	0845	7.12	MAY 17...	0910	5.34
DEC 05...	0842	7.18	JUN 11...	1505	6.27
FEB 14...	1305	6.57	AUG 14...	1102	6.87
MAR 27...	1445	6.63	SEP 13...	1240	6.62
MAY 09...	1420	6.04			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280053082350201. Sheldon Road Shallow Well near Citrus Park, FL.

LOCATION.--Lat 28°00'53", long 82°35'02", in NE¼SE¼ sec.27, T.28 S., R.17 E., Hydrologic Unit 03100206, 30 ft west of State Highway 589, and 5.5 mi south of Citrus Park.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 88 ft, cased to 39 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 9.36 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1968 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.21 ft NGVD, Oct. 3, 1983; lowest measured, 5.76 ft NGVD, May 25, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	0920	9.21	MAY 17...	0950	6.56
DEC 09...	0820	7.97	JUN 12...	1025	7.22
FEB 14...	1113	8.44	AUG 07...	1340	8.28
MAR 29...	1245	8.38	SEP 10...	1400	8.03

WELL NUMBER.--280053082350202. Sheldon Road Deep Well near Citrus Park, FL.

LOCATION.--Lat 28°00'53", long 82°35'02", in NE¼SE¼ sec.27, T.28 S., R.17 E., Hydrologic Unit 03100206, 25 ft west of State Highway 589, and 5.5 mi south of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 330 ft, cased to 315 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.24 ft above land-surface datum.

DATUM.--Land-surface datum is 9.45 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1968 to February 1973 (bimonthly); March 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.40 ft NGVD, Sept. 13, 1979, estimated; lowest, 5.95 ft NGVD, Apr. 3, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.33	8.16	8.35	8.23	8.13	8.38	8.21	7.58	7.26	7.67	8.26	8.00
10	7.99	8.39	7.83	8.62	7.78	7.98	8.27	7.02	7.11	7.86	8.01	7.91
15	8.22	8.23	8.36	8.14	8.09	8.00	8.03	6.82	7.53	8.16	7.96	7.58
20	8.24	8.49	8.25	8.23	7.78	7.90	7.79	6.79	7.46	7.90	8.28	7.77
25	8.42	8.55	7.55	8.47	7.76	8.30	7.45	7.15	7.51	8.15	8.20	7.59
EOM	8.04	7.99	7.56	8.17	7.70	7.47	7.45	7.47	7.87	8.47	7.73	7.94
MAX	8.61	8.62	8.39	8.74	8.59	8.70	8.35	7.86	7.87	8.53	8.48	8.00

WTR YR 1984 HIGH 8.74 JAN 19

HILLSBOROUGH COUNTY

WELL NUMBER.--280055082203801. USCE Test Well 3S-ES near Temple Terrace, FL.

LOCATION.--Lat 28°00'55", long 82°20'38", in NW¼SE¼ sec.30, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.8 mi northeast of intersection Interstate 4 and U. S. Highway 301, and 3.3 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 89 ft, cased to 38 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 3.31 ft above land-surface datum. Prior to Sept. 14, 1983, top of cap, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 19.67 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to March 1975 (quarterly); May 1975 to September 1976 (semiannually), incomplete; October 1976 to September 1977 (monthly), incomplete; October 1977 to current year (bimonthly). Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.26 ft NGVD, Sept. 20, 1974; lowest measured, 14.11 ft NGVD, May 19, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1306	19.60	APR 12...	1321	18.44
NOV 03...	1305	19.09	MAY 03...	1503	18.00
JAN 05...	0918	18.90	JUN 25...	1430	17.42
FEB 28...	1102	18.83	SEP 13...	1330	19.47

WELL NUMBER.--280055082222701. USCE Well TBC-09 near Temple Terrace, FL.

LOCATION.--Lat 28°00'55", long 82°22'27", in NW¼SE¼ sec.26, T.28 S., R.19 E., Hydrologic Unit 03100206, 1.6 mi northwest of intersection Interstate 4 and U. S. Highway 301, and 1.7 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 110 ft, cased to 68 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 41.04 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Some records furnished by Southwest Florida Water Management District.

PERIOD OF RECORD.--May 1975; August 1975 to September 1977 (weekly), incomplete; October 1977 to September 1980 (twice monthly); October 1980 to current year (monthly); incomplete.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.38 ft NGVD, Oct. 30, 1975; lowest measured, 15.67 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 06...	1447	21.82	APR 12...	1340	21.46
NOV 03...	0757	21.79	MAY 03...	1327	21.64
DEC 09...	1105	21.80	15...	1325	21.18
JAN 04...	1500	21.40	AUG 16...	1510	21.15
FEB 06...	1313	21.59	SEP 11...	0929	21.10
28...	1315	21.20			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280056082362701. Channel A BM Deep Well near Tampa, FL.

LOCATION.--Lat 28°00'56", long 82°36'27", in NW¼SE¼ sec.28, T.28 S., R.17 E., Hydrologic Unit 03100206, 45 ft west of Channel A, 130 ft south of Memorial Highway, and 10.5 mi northwest of Tampa.

AQUIFER.- Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 121 ft, cased to 100 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 0.03 ft above land-surface datum. Prior to Oct. 14, 1980, top of recorder shelter floor, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 11.81 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by tidal fluctuations.

PERIOD OF RECORD.--September 1975 to October 1980; November 1980 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.55 ft NGVD, Sept. 13, 1979; lowest measured, 6.24 ft May 17, 1984.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	0730	8.48
DEC 09...	0850	7.95
FEB 14...	1217	7.77
MAR 27...	1400	8.04
MAY 09...	1153	6.92
MAY 17...	0928	6.24
JUN 12...	0931	6.77
AUG 02...	0845	7.95
15...	0727	7.74
SEP 13...	1113	7.41

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280058082202201. Eureka Springs Landfill Deep Well near Temple Terrace, FL.

LOCATION.--Lat 28°00'58", long 82°20'22", in NE¼SE¼ sec.30, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.7 mi northwest of Interstate 4 and U. S. Highway 301 interchange, and 2.5 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 37 ft, cased to 34.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.47 ft above land-surface datum. Prior to Mar. 12, 1982, top of recorder shelter floor, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 21.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1976 to current year. Prior to October 1976, published as Eureka Springs Landfill Deep Well near Tampa.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.93 ft NGVD, Oct. 10, 1979; lowest, 13.92 ft NGVD, May 25, 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.60	19.09	18.63	18.84	18.90	18.74	18.45	17.86	17.28	17.71	18.91	19.52
10	19.54	19.04	18.53	18.95	18.69	18.60	18.41	17.70	17.06	17.85	19.13	19.37
15	19.58	18.90	18.67	18.89	18.71	18.54	18.44	17.50	16.97	18.00	19.24	19.47
20	19.49	18.88	18.75	18.91	18.66	18.48	18.37	17.27	17.21	18.13	19.46	19.35
25	19.39	18.78	18.73	18.93	18.74	18.54	18.29	17.39	17.35	18.37	19.59	19.03
EOM	19.21	18.71	18.60	18.93	18.76	18.38	18.08	17.50	17.43	18.63	19.59	19.11
MAX	19.65	19.18	18.81	18.97	18.96	18.74	18.48	18.02	17.45	18.63	19.69	19.56

WTR YR 1984 MAX 19.69

WELL NUMBER.--280058082202202. Eureka Springs Landfill Shallow Well near Temple Terrace, FL.

LOCATION.--Lat 28°00'58", long 82°20'22", in NE¼SE¼ sec.30, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.7 mi northwest of intersection Interstate 4 and U. S. Highway 301, and 2.5 mi southeast of Temple Terrace.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 10 ft, cased to 4 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.47 ft above land-surface datum. Prior to Mar. 12, 1982, top of recorder shelter floor, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 21.19 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1976 to current year. Prior to October 1976, published as Eureka Springs Landfill Shallow Well near Tampa.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.27 ft NGVD, Sept. 22, 1979; lowest, 15.39 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.83	17.84	18.52	20.76	20.66	20.72	20.80	17.96	17.75	20.74	20.80	20.31
10	18.50	18.43	19.41	20.86	20.38	20.50	20.66	17.79	17.31	20.55	20.60	18.92
15	19.39	17.95	20.90	20.81	20.52	20.65	20.74	17.40	17.00	20.72	19.94	18.14
20	18.35	20.30	20.82	20.86	20.64	20.30	20.47	17.14	20.69	20.78	20.78	17.97
25	19.63	19.79	20.71	20.81	20.77	20.40	19.57	20.18	20.69	20.97	20.73	17.55
EOM	18.08	18.98	20.88	20.71	20.84	20.02	18.32	18.45	20.79	21.12	20.19	20.50
MAX	20.11	20.30	21.05	20.88	20.89	20.79	20.82	20.18	20.94	21.12	21.11	20.67

WTR YR 1984 MAX 21.12

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280100082221701. S-161 Shallow Well No. 4 near Temple Terrace, FL.

LOCATION.--Lat 28°01'00", long 82°22'17", in SE¼NW¼ sec.26, T.28 S., R.19 E., Hydrologic Unit 03100206, on right berm of Tampa Bypass Canal below Structure 161, 1.7 mi northwest of intersection Interstate 4 and U. S. Highway 301, and 2.2 mi southwest of Temple Terrace.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.-Drilled, observation, water table well, diameter 2 in, depth 30.5 ft, cased to 28.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of coupling, 2.3 ft above land-surface datum.

DATUM.--Land-surface datum is 27.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by fluctuations of stage in Tampa Bypass Canal.

PERIOD OF RECORD.--October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.12 ft (estimated) NGVD, Sept. 28, 1984; lowest, 13.89 ft NGVD, July 18, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.55	14.57	14.58	14.78	14.64	14.69	14.86	14.75	14.76	14.82	14.88	14.67
10	14.60	14.64	14.58	14.93	14.60	14.57	14.70	14.75	14.74	14.76	14.85	14.27
15	14.59	14.58	14.84	14.73	14.65	14.61	14.77	14.74	14.76	14.81	14.76	14.83
20	14.59	14.68	14.75	14.71	14.64	14.56	14.79	14.74	14.75	14.85	14.87	14.82
25	14.59	14.61	14.75	14.67	14.74	14.66	14.78	14.82	14.78	15.01	14.81	14.71
EOM	14.58	14.58	14.85	14.63	14.83	14.66	14.76	14.72	14.80	14.89	14.68	14.90
MAX	14.70	14.68	14.94	14.93	14.87	14.83	14.86	14.84	14.97	15.01	15.06	15.12

WTR YR 1984 HIGH 15.12 SEP 28

NOTE.--Record estimated May 23 to Sept. 30.

WELL NUMBER.--280103082210901. USCE Well TBC-06 near Temple Terrace, FL.

LOCATION.--Lat 28°01'03", long 82°21'09", in NE¼SE¼ sec.25, T.28 S., R.19 E., Hydrologic Unit 03100206, 1.5 mi south of intersection Interstate 4 and U. S. Highway 301, and 2.7 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 100 ft, cased to 57 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 0.80 ft above land-surface datum.

DATUM.--Land-surface datum is 19.90 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 16.00 ft NGVD. See PERIOD OF RECORD.

COOPERATION.--Some records furnished by Southwest Florida Water Management District.

PERIOD OF RECORD.--August 1975 to September 1977 (weekly), incomplete; October 1977 to September 1981 (twice monthly); October 1981 to current year (bimonthly). The figures of water level as elevation in feet, NGVD, prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +4.04 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.68 ft NGVD, Nov. 6, 1975; lowest measured, 14.13 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1127	18.39	APR 12...	1331	17.74
NOV 03...	0915	18.10	MAY 03...	1336	17.47
JAN 05...	1112	18.05	JUL 02...	1645	17.21
FEB 27...	1305	17.93			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280105082222801. USCE Well TBC-08 near Temple Terrace, FL.

LOCATION.--Lat 28°01'05", long 82°22'28", in SW¼NE¼ sec.26, T.28 S., R.19 E., Hydrologic Unit 03100206, 1.5 mi southeast of Temple Terrace, and 1.9 mi northwest of intersection Interstate 4 and U. S. Highway 301.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 100 ft, cased to 43 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.01 ft above land-surface datum. Prior to Jan. 6, 1981, top of casing, 3.03 ft above land-surface datum.

DATUM.--Land-surface datum is 26.00 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Some records, August 1975 to April 1976, were collected by Southwest Florida Water Management District and reviewed by Geological Survey.

PERIOD OF RECORD.--August 1975 to April 1976 (weekly); May 1976 to December 1980; January 1981 to September 1982 (monthly); October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.64 ft NGVD, Feb. 16, 1983; lowest, 14.98 ft NGVD, June 29, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.23	22.38	22.30	21.56	22.04	22.08	21.90	22.13	21.48	22.02	21.57	21.30
10	22.10	22.44	22.36	21.33	22.24	22.05	21.55	22.00	20.99	21.98	21.26	21.18
15	22.30	22.33	22.32	21.39	22.45	22.19	21.89	21.75	20.54	21.40	21.41	22.15
20	22.35	22.48	22.55	21.28	22.18	22.22	22.09	21.24	20.82	21.85	20.92	21.93
25	22.28	22.32	22.02	21.48	22.09	22.14	22.31	21.18	20.90	21.74	21.13	21.91
EOM	22.36	22.35	21.88	21.99	21.15	21.79	22.24	21.59	21.46	21.62	21.23	21.55
MAX	22.48	22.48	22.61	22.10	22.49	22.36	22.44	22.26	21.58	22.11	21.6[illegible]	22.21

WTR YR 1984 MAX 22.61

WELL NUMBER.--280112082270101. Tourist Club Well at Sulphur Springs, FL.

LOCATION.--Lat 28°01'12", long 82°27'01", in SW¼NW¼ sec.30, T.28 S., R.19 E., Hydrologic Unit 03100205, on south side of East River Cove Drive, and 0.1 mi east of U. S. Highway 41 at Sulphur Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused private, artesian well, diameter 8 in, depth 318 ft, cased to 80 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in reducer, 1.07 ft below land-surface datum. Prior to Aug. 8, 1984, top of 2 in horizontal discharge pipe, 0.32 ft below land-surface datum.

DATUM.--Altitude of land-surface datum is 10 ft, from topographic map.

PERIOD OF RECORD.--September 1958 to September 1977 (monthly), incomplete; October 1977 to current year (bimonthly); incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.50 ft NGVD, Sept. 3, 1969; lowest measured, 7.25 ft NGVD, May 7, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 03...	0930	9.92	JUN 27...	0925	10.03
MAR 05...	0845	9.98	AUG 28...	1320	7.30
MAY 08...	1330	9.93			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280145082132501. Tampa Deep Well 15 near Dover, FL.

LOCATION.--Lat 28°01'50", long 82°13'25", in NE¼SE¼ sec.20, T.28 S., R.21 E., Hydrologic Unit 03100205, 0.3 mi north of Interstate 4, and 2.5 mi north of Dover.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 16 in, depth 413 ft, cased to 67 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.11 ft above land-surface datum.

DATUM.--Land-surface datum is 69.86 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--November 1958 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 71.91 ft NGVD, Sept. 15, 1959; lowest, 49.76 ft NGVD, Jan. 14, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	64.63	58.51	62.75	63.17	65.59	64.21	63.71	60.53	61.14	64.02	66.60	65.83
10	63.52	61.59	63.52	65.28	62.17	63.61	64.28	61.66	59.73	64.36	66.38	65.80
15	64.01	61.37	64.51	66.14	64.55	64.11	64.39	61.16	59.23	64.95	66.44	64.25
20	62.18	62.25	65.73	66.71	64.31	63.33	64.24	59.87	61.36	65.81	66.14	64.22
25	60.40	63.48	65.69	66.98	65.62	64.34	63.26	61.15	62.54	66.27	66.61	62.60
EOM	58.22	63.71	60.77	65.92	65.68	62.89	61.50	62.29	63.16	66.39	66.60	63.09
MAX	65.80	63.71	66.02	66.98	65.80	65.56	64.71	62.29	63.16	66.43	67.03	66.41

WTR YR 1984 MAX 67.03

WELL NUMBER.--280148082203801. USCE Well TBC-04 near Temple Terrace, FL.

LOCATION.--Lat 28°01'48", long 82°20'38", in NE¼SW¼ sec.19, T.28 S., R.20 E., Hydrologic Unit 03100206, 2.5 mi north of intersection Interstate 4 and U. S. Highway 301, and 3.0 mi east of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 110 ft, cased to 33 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.70 ft above land-surface datum. Prior to Feb. 24, 1977, top of casing, 2.00 ft above land-surface datum; Feb. 24, 1977, to Jan. 27, 1981, top of casing, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 33.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Land surface changed by spoil bank created by Tampa Bypass Canal construction.

COOPERATION.--Some records furnished by Southwest Florida Water Management District.

PERIOD OF RECORD.--May, December 1975; February to June 1976 (monthly); July 1976 to September 1977 (weekly), incomplete; October 1977 to January 1981 (monthly), incomplete; January 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.75 ft NGVD, Oct. 24, 1979; lowest measured, 13.28 ft NGVD, May 6, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.31	17.99	17.71	17.95	17.89	17.78	17.69	17.29	16.80	17.12	17.91	17.91
10	18.25	17.99	17.65	18.00	17.72	17.67	17.60	17.15	16.77	17.22	17.97	17.75
15	18.30	17.86	17.81	17.86	17.76	17.66	17.67	16.99	16.77	17.29	17.90	17.97
20	18.24	17.91	17.86	17.86	17.72	17.61	17.61	16.82	16.76	17.38	18.05	17.86
25	18.13	17.82	17.83	17.81	17.77	17.69	17.58	16.93	16.77	17.59	18.06	17.60
EOM	18.07	17.77	17.81	17.89	17.81	17.56	17.44	16.93	16.87	17.76	18.02	17.73
MAX	18.33	18.05	17.91	18.00	17.92	17.78	17.71	17.41	16.91	17.76	18.11	17.97

WTR YR 1984 MAX 18.33

HILLSBOROUGH COUNTY

WELL NUMBER.--280203082202301. USCE Well TBC-03 near Temple Terrace, FL.

LOCATION.--Lat 28°02'03", long 82°20'23", in SW¼NE¼ sec.19, T.28 S., R.20 E., Hydrologic Unit 03100206, 2.8 mi north of intersection Interstate 4 and U. S. Highway 301, and 3.3 mi east of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 100 ft, cased to 37 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.17 ft above land-surface datum. Prior to Jan. 7, 1981, top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 36.18 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, land-surface datum was considered to be 30 ft, from topographic map. See PERIOD OF RECORD.

COOPERATION.--Some records furnished by Southwest Florida Water Management District.

PERIOD OF RECORD.--August 1975 to June 1976 (monthly), incomplete; July 1976 to September 1977 (weekly), incomplete; October 1977 to December 1980 (twice monthly); January 1981 to current year. The figures of water level as elevation in feet, NGVD prior to Oct 1, 1978, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +6.18 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.61 ft NGVD, Oct. 4, 1979; lowest daily maximum water level, 11.63 ft NGVD, Jan. 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.48	18.09	17.75	18.07	17.98	17.91	17.79	17.44	16.96	17.16	18.10	17.94
10	18.44	18.08	17.69	18.11	17.82	17.80	17.77	17.28	16.77	17.26	18.18	17.86
15	18.44	17.93	17.84	17.98	17.83	17.76	17.90	17.18	16.67	17.37	18.04	18.06
20	18.37	17.97	17.87	18.00	17.81	17.73	17.80	17.03	16.82	17.46	18.12	17.93
25	18.28	17.88	17.88	17.94	17.85	17.80	17.80	17.08	16.85	17.68	18.09	17.68
EOM	18.17	17.82	17.89	17.99	17.97	17.70	17.60	17.05	16.96	17.88	18.12	17.77
MAX	18.52	18.15	17.98	18.11	18.01	17.93	17.90	17.60	17.02	17.88	18.23	18.06

WTR YR 1984 MAX 18.52

WELL NUMBER.--280209082280301. ROMP 66 Deep Well at Sulphur Springs, FL.

LOCATION.--Lat 28°02'09", long 82°28'03", in SW¼NW¼ sec.24, T.28 S., R.18 E., Hydrologic Unit 03100205, 50 ft east of North Boulevard, and 0.2 mi north of intersection Busch Boulevard and North Boulevard in Sulphur Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 250 ft, cased to 42 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.00 ft above land-surface datum.

DATUM.--Land-surface datum is 38.08 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.07 ft NGVD, Sept. 30, 1979; lowest, 12.04 ft NGVD, June 29, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.99	17.10	16.48	17.28	17.20	17.15	16.39	16.16	15.65	16.11	17.27	16.85
10	17.79	17.06	16.47	17.24	17.05	16.96	16.55	16.03	15.46	16.26	17.39	17.10
15	17.79	16.94	16.94	17.27	17.07	16.89	16.62	15.81	15.69	16.64	17.14	16.98
20	17.66	16.89	17.14	17.28	16.94	16.88	16.52	15.65	15.86	16.94	17.14	16.89
25	17.55	16.64	17.21	17.24	17.06	16.87	16.48	15.84	15.84	17.17	17.29	16.65
EOM	17.29	16.42	17.27	17.20	17.14	16.29	16.28	16.01	15.84	17.45	17.00	16.89
MAX	18.29	17.24	17.27	17.32	17.24	17.16	16.63	16.22	15.95	17.45	17.56	17.15

WTR YR 1984 MAX 18.29

HILLSBOROUGH COUNTY

WELL NUMBER.--280230082205601. USCE Well TBC-02 near Temple Terrace, FL.

LOCATION.--Lat 28°02'30", long 82°20'56", in SW¼SW¼ sec.18, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.3 mi southwest of intersection State Highway 582 and U. S. Highway 301, and 2.8 mi northeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 100 ft, cased to 40 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.85 ft above land-surface datum. Prior to May 5, 1981, top of casing, 3.0 ft above land-surface datum; May 5, 1981, to Aug. 18, 1982, top of casing, 3.55 ft above land-surface datum.

DATUM.--Land-surface datum is 48.75 ft National Geodetic Vertical Datum of 1929 (levels by West Coast Regional Water Supply Authority). Prior to May 5, 1981, land-surface datum was considered to be 43 ft, from topographic map. See PERIOD OF RECORD.

COOPERATION.--Some records furnished by Southwest Florida Water Management District.

PERIOD OF RECORD.--August 1975 to December 1975 (monthly), incomplete; December 1976 to September 1977 (weekly), incomplete; October 1977 to September 1978 (twice monthly); October 1978 to September 1979 (monthly); October 1979 to September 1980 (bimonthly), incomplete; May 1981 to September 1982 (bimonthly); October 1982 to current year. Records of water levels prior to December 1976 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to May 5, 1981, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +5.65 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.85 ft NGVD, Sept. 8, 1983; lowest measured, 15.81 ft NGVD, July 8, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.70	22.19	21.35	23.52	22.58	23.00	21.72	21.54	20.06	19.94	24.70	22.90
10	23.58	21.94	21.18	22.91	22.30	22.68	22.91	21.19	19.82	20.30	24.00	22.80
15	23.19	21.77	21.26	22.80	22.00	22.50	22.67	20.85	19.59	21.50	23.90	22.60
20	22.88	21.59	22.23	22.80	22.00	22.30	22.61	20.58	19.81	21.50	23.50	22.40
25	22.69	21.54	22.53	22.79	22.64	22.06	22.40	20.36	19.81	22.00	23.70	22.00
EOM	22.45	21.45	22.66	22.63	23.03	21.83	22.00	20.22	19.79	23.00	23.50	22.00
MAX	23.94	22.30	22.66	23.52	23.03	23.13	22.91	21.90	20.16	23.00	24.70	23.40

WTR YR 1984 HIGH 24.70 AUG 4 AND OTHERS

NOTE.--Record estimated Nov. 1, 6-9, Jan. 7, Feb. 10-24, Mar. 4-7, 14-17, 20, 23, Apr. 22 to May 3, July 7 to Sept. 3, 5-11.

WELL NUMBER.--280241082231401. Temple Terrace Well 4 at Temple Terrace, FL.

LOCATION.--Lat 28°02'41", long 82°23'14", in NE¼SE¼ sec.15, T.28 S., R.19 E., Hydrologic Unit 03100205, 500 ft south of Whiteway Drive, and 0.3 mi east of State Highway 583 at Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 8 in, depth 510 ft, cased to 87 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in access pipe, 2.12 ft above land-surface datum. Prior to July 31, 1979, top of 1 in coupling, 1.72 ft above land-surface datum; July 31, 1979, to Oct. 9, 1979, top of 12 in casing, 1.53 ft above land-surface datum; Oct. 9, 1979, to Mar. 21, 1983, top of 1 in coupling, 1.72 ft above land-surface datum.

DATUM.--Land-surface datum is 80.15 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1965 to September 1977 (bimonthly); October 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.38 ft NGVD, Oct. 9, 1979; lowest measured, 14.95 ft NGVD, July 1, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
04...	0945	21.38	03...	1330	19.82
NOV			30...	1330	19.18
02...	1115	21.07	JUL		
DEC			03...	1044	19.65
02...	1000	20.61	AUG		
JAN			01...	1210	20.91
12...	1526	20.86	31...	1255	20.47
FEB			SEP		
02...	1225	20.72	14...	1249	20.18
MAR					
02...	0838	20.55			
26...	1135	17.55			

WELL NUMBER.--280243082203701. USCE Well TBC-01 near Temple Terrace, FL.

LOCATION.--Lat 28°02'43", long 82°20'37", in NW¼SE¼ sec.18, T.28 S., R.20 E., Hydrologic Unit 03100206, 2.9 mi east of Temple Terrace, and 3.3 mi north of intersection Interstate 4 and U. S. Highway 301.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 110 ft, cased to 46 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.0 ft above land-surface datum.

DATUM.--Land-surface datum is is 43.34 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1983, land-surface datum was considered to be 45 ft, from topographic map. See PERIOD OF RECORD.

COOPERATION.--Some records, August 1975 to November 1977, were collected by Southwest Florida Water Management District and reviewed by Geological Survey.

PERIOD OF RECORD.--August 1975 to June 1976 (twice monthly), incomplete; July 1976 to November 1977 (weekly), incomplete; December 1977 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1983, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.66 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.04 ft estimated, NGVD, (corrected) Sept. 7, 1983; lowest, 15.56 ft NGVD, (corrected) Jan. 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.65	23.38	22.31	25.74	23.82	24.62	22.66	22.36	20.52	20.93	25.59	24.00
10	25.12	23.18	22.25	24.50	23.46	23.86	24.70	21.95	20.29	21.55	24.83	23.76
15	24.72	22.96	22.25	24.68	23.22	23.57	23.99	21.57	20.06	22.28	24.53	23.48
20	24.39	22.80	23.25	24.51	23.25	23.26	23.66	21.20	20.50	22.41	24.32	23.17
25	24.21	22.67	23.75	24.53	24.42	22.96	23.27	21.04	20.43	22.77	24.63	22.84
EOM	23.69	22.51	23.75	24.07	24.58	22.66	22.80	20.69	20.57	23.80	24.36	22.97
MAX	25.85	23.63	23.75	25.86	24.70	24.87	24.71	22.70	20.69	23.80	25.59	24.30

WTR YR 1984 HIGH 25.86 JAN 4

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280316082345801. St. Petersburg E-104 Deep Well near Citrus Park, FL.

LOCATION.--Lat 28°03'16", long 82°34'58", in NE¼NE¼ sec.15, T.28 S., R.17 E., Hydrologic Unit 03100206, 25 ft west of State Highway 589, and 4.5 mi south of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,120 ft, cased to 715 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of metal plate below recorder shelter floor, 1.69 ft above land-surface datum.

DATUM.--Land-surface datum is 23.98 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1968 to April 1983 (semiannually), incomplete; May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.77 ft NGVD, Sept. 18, 1979; lowest measured, 17.34 ft NGVD, May 18, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.44	21.54	22.00	22.29	22.28	22.19	21.60	20.20	20.03	20.93	21.85	20.69
10	21.25	22.16	21.75	22.50	21.72	21.72	21.74	19.47	19.22	21.16	21.36	21.15
15	22.05	22.05	22.25	22.79	22.03	21.70	21.43	18.90	19.75	21.46	21.29	20.29
20	22.37	21.92	22.54	22.81	21.61	21.51	21.10	18.74	20.73	21.42	21.52	20.30
25	22.31	22.19	22.25	22.75	22.47	21.53	21.00	19.86	20.71	21.36	21.83	20.56
EOM	21.83	22.11	21.93	22.30	22.53	21.56	20.40	21.06	20.82	22.01	20.93	21.00
MAX	22.52	22.34	22.54	22.88	22.58	22.45	21.74	21.08	20.95	22.01	22.02	21.16

WTR YR 1984 HIGH 22.88 JAN 16

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280320082203801. ROMP 67-1 Avon Park Well near Temple Terrace, FL.

LOCATION.--Lat 28°03'20", long 82°20'38", in NW¼SE¼ sec.7, T.28 S., R.20 E., Hydrologic Unit 03100205, 0.1 mi north of Fowler Avenue, and 2.0 mi east of Temple Terrace.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 490 ft, cased to 440 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.95 ft above land-surface datum.

DATUM.--Land-surface datum is 42.97 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.78 ft NGVD, Oct. 2, 1979; lowest, 18.39 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.66	24.67	24.04	25.78	24.87	25.27	24.32	23.51	22.17	23.09	25.54	25.01
10	25.40	24.61	23.98	25.26	24.65	24.82	25.04	23.15	21.88	23.31	25.31	24.89
15	25.25	24.46	24.38	25.32	24.65	24.69	24.84	22.88	21.70	23.52	25.19	24.63
20	25.05	24.39	24.92	25.28	24.59	24.51	24.57	22.41	22.29	23.61	25.22	24.49
25	24.95	24.29	24.97	25.28	25.02	24.36	24.21	22.44	22.21	23.86	25.53	24.19
EOM	24.80	24.19	25.18	25.01	25.23	24.13	23.84	22.42	22.45	24.51	25.28	24.40
MAX	25.91	24.75	25.18	25.90	25.31	25.38	25.04	23.70	22.45	24.51	25.54	25.21

WTR YR 1984 HIGH 25.91 OCT 1

WELL NUMBER.--280320082203802. ROMP 67-2 Tampa Limestone Well near Temple Terrace, FL.

LOCATION.--Lat 28°03'20", long 82°20'38", in NW¼SE¼ sec.7, T.28 S., R.20 E., Hydrologic Unit 03100205, 0.1 mi north of Fowler Avenue, and 2.0 mi east of Temple Terrace.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 141 ft, cased to 70 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.61 ft above land-surface datum.

DATUM.--Land-surface datum is 42.97 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.62 ft NGVD, Oct. 4, 1979; lowest, 17.01 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.64	23.97	22.96	24.84	24.07	24.31	23.07	22.59	21.18	21.81	24.80	24.76
10	25.22	23.80	22.85	24.46	23.76	23.91	23.91	22.28	20.93	22.16	24.82	24.58
15	25.04	23.59	23.01	24.47	23.65	23.68	23.78	21.98	20.71	22.53	24.75	24.28
20	24.80	23.40	23.73	24.46	23.56	23.48	23.62	21.59	21.08	22.69	24.82	24.05
25	24.58	23.30	23.91	24.48	23.93	23.27	23.34	21.51	21.09	22.92	25.20	23.70
EOM	24.23	23.15	24.04	24.23	24.22	23.08	22.97	21.38	21.28	23.47	25.08	23.75
MAX	25.95	24.18	24.04	24.84	24.23	24.34	23.92	22.85	21.33	23.47	25.25	25.03

WTR YR 1984 MAX 25.95

WELL NUMBER.--280446082302501. Sirotowitz Well near Sulphur Springs, FL.

LOCATION.--Lat 28°04'46", long 82°30'25", in SW¼NE¼ sec.4, T.28 S., R.18 E., Hydrologic Unit 03100206, 0.1 mi east of State Highway 597, 0.6 mi south of Ehrlich Road, and 5.1 mi northwest of Sulphur Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 12 in, depth 556 ft, cased to 65 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, at land-surface datum. Prior to June 2, 1976, top of access hole in pump base, at land-surface datum.

DATUM.--Land-surface datum is 58.63 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--June 1968 to September 1977 (bimonthly); October 1977 to current year (monthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.55 ft NGVD, Sept. 17, 1979; lowest measured, 26.62 ft NGVD, Aug. 29, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
16...	1145	37.75	10...	0700	33.00
30...	0914	37.69	14...	1010	31.61
JAN			JUN		
24...	1210	39.16	07...	1300	31.81
FEB			27...	1020	32.11
03...	1100	38.13	AUG		
MAR			07...	0655	36.98
05...	1320	37.90	27...	1330	36.37
APR			SEP		
03...	0700	35.40	10...	0927	35.24

WELL NUMBER.--280503082143701. ROMP 68-1 Avon Park Well near Antioch, FL.

LOCATION.--Lat 28°05'03", long 82°14'37", in SW¼SW¼ sec.31, T.27 S., R.21 E., Hydrologic Unit 03100205, 2.0 mi north of Antioch, and 9.4 mi southwest of Zephyrhills.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 220 ft, cased to 120 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.39 ft above land-surface datum.

DATUM.--Land-surface datum is 56.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.67 ft NGVD, Sept. 21, 1983; lowest, 44.29 ft NGVD, Dec. 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.14	47.35	47.60	48.99	48.92	48.92	48.51	46.92	45.97	48.01	49.73	48.84
10	48.70	47.73	47.74	49.27	48.25	48.61	48.67	47.34	45.19	48.16	49.64	48.65
15	48.69	47.66	48.37	49.47	48.71	48.59	48.61	46.73	45.48	48.23	49.53	47.94
20	48.64	47.61	48.98	49.58	48.65	48.29	48.34	46.22	46.36	48.62	49.22	48.06
25	48.32	47.92	49.00	49.64	49.07	48.30	47.99	46.48	46.64	48.97	49.58	47.43
EOM	47.62	47.96	48.28	49.21	49.21	48.00	47.22	46.47	46.89	49.00	49.23	48.23
MAX	49.53	48.06	49.15	49.65	49.21	49.16	48.67	47.34	46.89	49.11	49.76	49.09

WTR YR 1984 MAX 49.76

WELL NUMBER.--280503082143702. ROMP 68-2 Suwannee Well near Antioch, FL.

LOCATION.--Lat 28°05'03", long 82°14'37", in SW¼SW¼ sec.31, T.27 S., R.21 E., Hydrologic Unit 03100205, 2.0 mi north of Antioch, and 9.4 mi southwest of Zephyrhills.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in, depth 500 ft, cased to 480 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.43 ft above land-surface datum.

DATUM.--Land-surface datum is 56.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.17 ft NGVD, Sept. 18, 1983; lowest, 45.03 ft NGVD, Dec. 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.60	47.94	48.07	49.54	49.40	49.43	49.08	47.41	46.48	48.60	50.18	49.28
10	49.19	48.29	48.25	49.81	48.75	49.17	49.23	47.91	45.71	48.70	50.03	49.06
15	49.19	48.12	48.96	49.95	49.20	49.17	49.14	47.24	46.02	48.73	49.96	48.45
20	49.12	48.19	49.53	50.05	49.15	48.82	48.91	46.80	46.97	49.13	49.66	48.54
25	48.87	48.42	49.51	50.15	49.55	48.81	48.52	47.03	47.19	49.43	49.99	47.95
EOM	48.23	48.48	48.96	49.70	49.70	48.55	47.71	46.98	47.45	49.47	49.66	48.80
MAX	49.97	48.53	49.67	50.15	49.70	49.65	49.23	47.91	47.45	49.57	50.20	49.53

WTR YR 1984 MAX 50.20

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280548082355701. St. Petersburg Deep Well E-100 near Citrus Park, FL.

LOCATION.--Lat 28°05'48", long 82°35'55", in NW¼NW¼ sec.34, T.27 S., R.17 E., Hydrologic Unit 03100206, at Cosme Water Plant, 1.2 mi west of State Highway 587, and 2.0 mi northwest of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 10 in, depth 1,200 ft, cased to 656 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.60 ft above land-surface datum.

DATUM.--Land-surface datum is 41.23 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-75-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.14 ft NGVD, Oct. 1, 1979; lowest, 16.27 ft NGVD, Apr. 20, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.35	25.98	28.42	28.65	28.51	28.29	27.15	23.90	23.49	26.65	28.26	26.08
10	26.16	28.71	28.37	29.18	27.71	28.00	28.12	23.57	22.45	27.38	26.98	26.46
15	28.86	28.13	29.02	30.20	27.70	27.83	27.52	21.93	24.13	27.14	26.46	25.16
20	28.78	27.74	29.61	29.74	27.46	26.22	26.15	22.15	26.30	27.12	27.12	25.87
25	29.09	28.06	28.30	28.85	30.12	27.27	26.69	24.50	26.53	26.83	27.74	24.62
EOM	27.32	28.94	28.43	28.32	29.70	27.29	23.43	26.38	26.21	28.43	25.40	25.94
MAX	29.22	29.29	29.75	30.27	30.12	29.80	28.24	27.18	26.67	28.43	28.26	26.59

WTR YR 1984 HIGH 30.27 JAN 22

WELL NUMBER.--280550082202901. Morris Bridge Deep Well 10 near Branchton, FL.

LOCATION.--Lat 28°05'50", long 82°20'29", in NW¼NE¼ sec.31, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.2 mi west of State Highway 579, and 2.5 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 500 ft, cased to 90 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 29.91 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1974 to current year. Prior to October 1977, published as Tampa Deep Well 10 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.67 ft NGVD, Sept. 30, 1979; lowest, 18.20 ft NGVD, May 31, June 1, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.32	25.94	25.75	27.32	26.23	26.95	25.49	24.45	22.55	24.97	26.11	25.82
10	25.93	26.61	25.84	26.99	25.99	26.33	25.86	23.50	21.97	25.26	25.88	25.73
15	27.34	26.34	26.55	27.12	26.52	26.29	28.01	23.02	22.56	25.26	27.01	25.35
20	26.12	25.89	27.33	27.37	26.08	26.14	26.50	21.80	23.28	25.17	25.79	25.34
25	25.88	25.87	27.17	27.48	26.71	26.15	26.00	22.20	23.15	25.87	26.84	25.06
EOM	26.79	25.92	27.38	26.78	26.95	25.27	25.20	22.96	23.63	25.64	26.28	25.29
MAX	27.98	26.87	27.49	27.50	27.39	27.08	28.01	24.90	23.63	25.87	27.01	26.15

WTR YR 1984 MAX 28.01

HILLSBOROUGH COUNTY

WELL NUMBER.--280550082355002. St. Petersburg Shallow Well 1 C-6 near Citrus Park, FL.

LOCATION.--28°05'50", long 82°35'50", in NW¼NW¼ sec.34, T.27 S., R.17 E., Hydrologic Unit 03100206, 1.1 mi west of State Highway 587, and 2.0 mi northwest of Citrus Park.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 23 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of metal plate below shelter floor, 1.60 ft above land-surface datum.

DATUM.--Land-surface datum is 43.07 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 41.32 ft NGVD, Sept. 26, 1979; lowest, 31.91 ft NGVD, July 20, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.28	37.60	37.04	38.40	37.75	38.23	38.21	37.14	37.62	38.49	39.28	37.90
10	38.05	37.43	37.06	38.14	37.58	37.91	38.12	37.00	37.34	38.49	38.76	37.73
15	37.99	37.21	37.66	38.45	37.55	37.79	37.85	36.87	37.69	38.98	38.40	37.54
20	38.16	37.12	38.04	38.29	37.44	37.68	37.67	36.72	38.16	38.62	38.24	37.37
25	38.20	37.38	38.00	38.18	38.08	37.54	37.57	37.18	38.31	38.27	38.70	37.12
EOM	37.78	37.22	38.55	37.94	38.35	37.52	37.40	38.10	38.44	39.45	38.12	37.62
MAX	38.40	37.75	38.55	38.55	38.35	38.36	38.26	38.11	38.44	39.45	39.51	38.08

WTR YR 1984 HIGH 39.51 AUG 2 AND OTHERS

WELL NUMBER.--280603082385401. St. Petersburg Deep Well E-103 near Oldsmar, FL.

LOCATION.--Lat 28°06'03", long 82°38'54", in SW¼SW¼ sec.30, T.27 S., R.17 E., Hydrologic Unit 03100206, 2.5 mi northeast of intersection Race Track Road and County Line Road, and 4.0 mi northeast of Oldsmar.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,111 ft, cased to 605 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 24.86 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Prior to May 1983, water samples were collected at range of depths 550-767 ft, currently at depth of 1,106 ft.

PERIOD OF RECORD.--October 1965 to April 1983 (semiannually), incomplete; May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.99 ft NGVD, Oct. 14, 1965; lowest measured, 16.16 ft NGVD, May 14, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.04	19.05	19.50	20.30	21.10	21.20	20.37	18.37	18.38	19.75	21.18	20.00
10	18.48	20.26	19.14	20.60	20.45	20.72	20.59	18.12	17.47	19.61	20.51	20.30
15	19.90	19.80	19.60	21.90	21.04	20.52	19.93	17.29	17.99	20.27	19.80	19.40
20	20.14	19.20	20.20	21.30	20.43	20.26	19.91	17.14	19.13	20.20	20.25	19.50
25	20.21	19.40	20.10	20.60	21.30	20.41	19.61	18.43	19.40	20.43	20.78	18.70
EOM	19.55	19.70	20.20	21.11	21.55	20.41	18.62	20.06	19.60	21.20	19.80	20.10
MAX	20.50	20.26	20.70	21.90	21.55	21.57	20.59	20.06	19.97	21.20	21.19	20.50

WTR YR 1984 HIGH 21.90 JAN 15

NOTE.--Record estimated Nov. 18 to Dec. 8, Dec. 14 to Jan. 30, Aug. 27 to Sept. 30.

WELL NUMBER.--280605082184101. Morris Bridge Deep Well 12 near Branchton, FL.

LOCATION.--Lat 28°06'05", long 82°18'41", in SW¼SE¼ sec.28, T.27 S., R.20 E., Hydrologic Unit 03100205, 500 ft west of State Highway 579, and 2.9 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 520 ft, cased to 238 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.22 ft above land-surface datum.

DATUM.--Land-surface datum is 31.63 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.40 ft NGVD, Oct. 2, 1979; lowest, 19.07 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.86	27.39	26.80	28.26	27.31	27.76	27.17	25.40	23.40	25.29	27.45	26.55
10	27.48	27.13	26.80	28.13	27.00	27.05	27.40	24.59	22.86	25.44	27.36	26.47
15	28.42	27.16	27.14	28.25	27.53	26.97	28.31	24.41	23.16	25.58	27.96	26.06
20	27.85	27.03	27.63	28.31	27.29	26.96	27.07	23.03	23.61	25.81	27.37	25.91
25	27.66	27.28	27.71	28.27	27.85	26.70	26.40	23.63	23.33	26.41	28.12	25.57
EOM	27.56	27.11	28.43	27.81	28.09	26.75	25.90	24.12	23.98	26.22	27.12	26.14
MAX	28.69	27.65	28.43	28.41	28.09	28.03	28.35	25.80	23.98	26.41	28.17	27.00

WTR YR 1984 MAX 28.69

WELL NUMBER.--280605082184102. Morris Bridge Shallow Well 12 near Branchton, FL.

LOCATION.--Lat 28°06'05", long 82°18'41", in SW¼SE¼ sec.28, T.27 S., R.20 E., Hydrologic Unit 03100205, 500 ft west of State Highway 579, and 2.9 mi southwest of Branchton.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 25 ft, cased to 20 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.22 ft above land-surface datum.

DATUM.--Land-surface datum is 31.63 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1978 to October 1980; November 1980 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.50 ft NGVD, Sept. 25, 1979, estimated; lowest measured, 19.41 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 08...	1215	27.41	JUN 29...	1415	23.44
JAN 12...	0923	27.88	AUG 30...	0830	27.14
MAR 02...	1009	27.84	SEP 11...	1347	26.10
MAY 03...	1412	25.48			

HILLSBOROUGH COUNTY

WELL NUMBER.--280607082353001. St. Petersburg Cosme Well 3 near Citrus Park, FL.

LOCATION.--Lat 28°06'07", long 82°35'30", in SW¼SE¼ sec.27, T.27 S., R.17 E., Hydrologic Unit 03100206, 65 ft east of Race Track Road, 0.5 mi west of intersection Race Track Road and State Highway 587, and 2.0 mi northwest of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 354 ft, cased to 79 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 0.94 ft above land-surface datum. Prior to Mar. 22, 1977, top of recorder shelter floor, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 46.74 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.51 ft NGVD, Oct. 1, 1979; lowest, 16.44 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.40	26.41	29.43	29.39	28.47	27.89	28.14	23.98	23.26	26.97	28.99	26.39
10	26.85	29.68	29.43	30.21	27.11	28.40	28.89	24.07	22.38	28.19	27.29	26.79
15	30.18	28.25	30.01	31.35	27.33	28.43	28.47	21.62	24.37	27.56	26.67	25.47
20	29.81	27.81	30.34	30.78	27.83	25.59	26.80	23.05	26.11	27.63	27.68	26.21
25	30.45	29.56	30.11	30.22	31.48	25.98	27.39	25.39	27.12	27.02	28.59	24.47
EOM	27.55	29.98	29.50	29.64	30.79	27.62	23.00	25.99	26.66	29.18	25.88	26.23
MAX	30.55	30.59	30.77	31.68	31.48	31.00	28.89	28.46	27.61	29.18	28.99	27.00

WTR YR 1984 HIGH 31.68 JAN 22

WELL NUMBER.--280612082200802. Morris Bridge Shallow Well 8 near Branchton, FL.

LOCATION.--Lat 28°06'12", long 82°20'08", in NW¼SW¼ sec.29, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.7 mi west of State Highway 579, and 3.6 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 10 ft, cased to 8 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 3.15 ft above land-surface datum.

DATUM.--Land-surface datum is 33.35 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 8 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.35 ft NGVD, July 1, 1974; lowest measured, 24.50 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
08...	1255	30.63	29...	0840	28.77
JAN			AUG		
12...	1040	32.87	30...	1200	30.20
MAR			SEP		
02...	1124	32.08	10...	1509	29.58
MAY					
03...	0900	29.58			
14...	1322	28.94			

HILLSBOROUGH COUNTY

WELL NUMBER.--280627082200801. Morris Bridge Deep Well 6 near Branchton, FL.

LOCATION.--Lat 28°06'27", long 82°20'03", in NE¼NE¼ sec.30, T.27 S., R.20 E., Hydrologic Unit 03100205, 2.0 mi west of State Highway 579, and 3.4 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 14 in, depth 661 ft, cased to 100 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.22 ft above land-surface datum. Prior to Mar. 31, 1978, top of access pipe, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 36.68 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May to September 1972 (semiannually); January 1973 to September 1975 (quarterly); May 1976 to September 1977 (semiannually); March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.14 ft NGVD, Oct. 2, 1979; lowest, 16.46 ft NGVD May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.99	26.08	26.83	28.05	26.69	27.20	26.17	23.90	21.42	24.26	26.47	25.10
10	25.57	27.49	26.24	27.80	26.57	26.48	26.42	23.45	20.73	24.69	26.13	25.40
15	28.01	26.36	27.07	27.91	27.03	27.27	29.87	22.65	21.70	24.66	27.66	24.65
20	25.80	26.36	27.94	28.49	26.53	26.36	25.83	21.03	22.31	24.54	26.07	24.77
25	25.58	26.49	27.74	28.18	27.21	27.08	25.21	20.99	22.14	26.67	27.32	24.65
EOM	28.07	26.42	28.33	27.42	27.59	26.07	23.05	22.05	22.54	25.47	26.53	25.50
MAX	29.08	28.20	28.35	28.61	28.53	27.34	30.03	24.38	23.10	26.67	27.66	25.75

WTR YR 1984 HIGH 30.03 APR 17

WELL NUMBER.--280627082200802. Morris Bridge Shallow Well 6 near Branchton, FL.

LOCATION.--Lat 28°06'30", long 82°20'03", in NE¼NE¼ sec.30, T.27 S., R.20 E., Hydrologic Unit 03100205, 2.0 mi west of State Highway 579, and 3.4 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 14 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.10 ft above land-surface datum. Prior to May 5, 1977, top of coupling, 1.35 ft above land-surface datum.

DATUM.--Land-surface datum is 36.68 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1972 to April 1977 (bimonthly), incomplete; May 1977 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as (280628082200702) Tampa Shallow Well 6 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 36.31 ft NGVD, Sept. 24, 1979; lowest, 23.71 ft NGVD, July 14-16, 25-30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.13	31.97	31.29	33.10	32.16	32.48	32.06	30.38	29.30	30.40	30.68	29.63
10	33.22	31.94	31.20	33.66	31.84	32.03	31.85	30.09	29.00	30.87	30.48	29.44
15	33.49	31.61	32.58	33.40	31.94	32.00	31.52	29.79	28.72	30.57	30.07	29.22
20	32.98	31.58	33.15	33.46	31.62	31.60	31.36	29.50	28.59	30.10	29.78	29.01
25	33.07	31.91	32.72	33.00	32.49	31.38	31.02	29.54	28.57	29.75	30.40	28.74
EOM	32.30	31.58	33.77	32.46	33.07	31.29	30.72	29.89	28.55	29.54	30.09	28.66
MAX	33.50	32.24	33.88	33.67	33.07	32.97	32.09	30.65	29.79	30.89	30.68	30.00

WTR YR 1984 MAX 33.88

HILLSBOROUGH COUNTY

WELL NUMBER.--280631082193802. Morris Bridge Shallow Well 7 near Branchton, FL.

LOCATION.--Lat 28°06'31", long 82°19'38", in SW¼NE¼ sec.29, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.4 mi west of State Highway 579, and 3.0 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12 ft, cased to 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 4.28 ft above land-surface datum.

DATUM.--Land-surface datum is 33.92 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 7 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.32 ft NGVD, Mar. 9, 1983; lowest measured, 24.35 ft NGVD, July 10, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
08...	1223	30.85	29...	0746	28.27
JAN			AUG		
12...	0958	33.38	30...	1115	29.77
MAR			SEP		
02...	1046	32.32	10...	1308	29.03
MAY					
04...	0807	29.93			

WELL NUMBER.--280631082203302. Morris Bridge Shallow Well 5 near Branchton, FL.

LOCATION.--Lat 28°06'31", long 82°20'33", in SW¼NE¼ sec.30, T.27 S., R.20 E., Hydrologic Unit 03100205, 2.3 mi west of State Highway 579, and 3.8 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 12.3 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.74 ft above land-surface datum.

DATUM.--Land-surface datum is 36.86 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1973 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 5 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.39 ft NGVD, Aug. 31, 1983; lowest measured, 28.17 ft NGVD, Jan. 12, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
08...	1359	33.38	29...	0955	31.99
JAN			AUG		
12...	1200	36.17	30...	1325	34.32
MAR			SEP		
02...	1338	35.58	10...	1400	33.74
MAY					
04...	1040	33.31			
14...	1135	32.58			

HILLSBOROUGH COUNTY

WELL NUMBER.--280639082211001. Morris Bridge Deep Well 11 near Branchton, FL.

LOCATION.--Lat 28°06'39", long 82°21'10", in NE¼NE¼ sec.25, T.27 S., R.19 E., Hydrologic Unit 03100205, 2.0 mi east of State Highway 581, and 4.3 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 500 ft, cased to 127 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 35.13 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--March 1974 to current year. Prior to October 1977, published as Tampa Deep Well 11 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.27 ft NGVD, Aug. 5, 1974; lowest, 18.41 ft NGVD, June 1, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.23	27.30	28.02	29.27	28.05	30.26	27.61	24.48	23.69	27.14	27.29	26.24
10	26.65	28.05	27.21	29.04	27.66	29.60	27.84	22.88	22.96	27.66	26.87	27.63
15	27.96	27.70	28.05	29.28	28.03	29.50	31.65	22.63	23.79	27.34	27.89	26.46
20	26.88	26.59	29.19	29.73	27.75	29.21	26.85	21.28	24.68	27.06	26.81	27.38
25	26.73	27.41	29.04	29.06	28.54	29.34	26.35	22.36	24.65	28.04	28.22	27.18
EOM	29.12	26.79	29.23	29.63	28.94	28.73	25.52	22.63	25.02	27.46	27.73	26.19
MAX	30.10	29.14	29.62	29.84	29.19	30.38	31.94	25.23	25.07	28.04	28.77	27.76

WTR YR 1984 MAX 31.94

WELL NUMBER.--280649082191402. Morris Bridge Shallow Well 4 near Branchton, FL.

LOCATION.--Lat 28°06'57", long 82°19'26", in SE¼SE¼ sec.20, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.2 mi west of State Highway 579, and 2.5 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 16.5 ft, cased to 15 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 2.48 ft above land-surface datum.

DATUM.--Land-surface datum is 35.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1972 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 4 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.84 ft NGVD, Mar. 10, 1978; lowest measured, 22.32 ft NGVD, July 10, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV		
08...	1508	28.90
JAN		
12...	1228	31.95
MAR		
02...	1440	31.06
MAY		
04...	1208	28.17
14...	1230	27.41
JUN		
29...	1115	25.57
AUG		
30...	1440	27.25
SEP		
10...	1448	26.52

WELL NUMBER.--280651082202502. Morris Bridge Shallow Well 2 near Branchton, FL.

LOCATION.--Lat 28°06'52", long 82°20'25", in SW¼SE¼ sec.19, T.27 S., R.20 E., Hydrologic Unit 03100205, 2.4 mi west of State Highway 579, and 3.5 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.75 ft above land-surface datum.

DATUM.--Land-surface datum is 38.15 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1973 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 2 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.08 ft NGVD, July 1, 1974; well observed dry at times some years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
08...	1349	32.65	04...	1030	32.42
JAN			14...	1127	31.44
12...	1153	32.50			
MAR					
02...	1330	33.00			

WELL NUMBER.--280651082204302. Morris Bridge Shallow Well 1 near Branchton, FL.

LOCATION.--Lat 28°06'51", long 82°20'43", in SE¼SW¼ sec.19, T.27 S., R.20 E., Hydrologic Unit 03100205, 2.7 mi west of State Highway 579, and 3.8 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 10 ft, cased to 8.5 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.12 ft above land-surface datum.

DATUM.--Land-surface datum is 38.96 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1973 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Tampa Shallow Well 1 near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.38 ft NGVD, Dec. 11, 1973; lowest measured, 30.51 ft NGVD, July 10, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
08...	1341	35.90	29...	0935	35.08
JAN			AUG		
12...	1143	39.13	30...	1305	37.68
MAR			SEP		
02...	1320	38.84	10...	1553	36.70
MAY					
04...	1015	35.87			
14...	1114	34.78			

WELL NUMBER.--280652082195101. Morris Bridge Deep Well 3C near Branchton, FL.

LOCATION.--Lat 28°06'52", long 82°19'51", in SE¼SW¼ sec.20, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.8 mi west of State Highway 579, and 3.0 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,037 ft, cased to 1,000 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.76 ft above land-surface datum.

DATUM.--Land-surface datum is 36.64 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Oct. 1, 1982, land-surface datum was considered to be 37.53 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1979 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.89 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.64 ft NGVD, Oct. 1, 1979; lowest, 21.44 ft NGVD, May 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.57	29.37	29.07	30.53	29.76	30.62	29.36	27.29	25.92	27.72	28.82	27.73
10	29.05	29.34	28.77	30.27	29.39	30.12	29.84	26.32	25.22	28.22	28.86	28.10
15	29.67	29.13	29.11	30.51	29.82	29.95	31.15	25.97	25.55	27.99	29.15	27.84
20	29.85	28.80	29.98	30.44	29.49	29.83	29.65	25.09	26.30	27.78	28.67	27.88
25	29.71	28.98	29.99	30.46	29.95	29.64	28.53	25.40	26.24	28.16	29.32	27.80
EOM	29.71	28.93	30.10	30.16	30.14	29.29	28.04	25.73	26.41	28.07	28.78	27.89
MAX	31.04	29.69	30.16	30.54	30.14	30.62	31.52	27.90	26.43	28.38	29.39	28.53

WTR YR 1984 MAX 31.52

HILLSBOROUGH COUNTY

WELL NUMBER.--280655082193001. Morris Bridge Deep Well 3A near Branchton, FL.

LOCATION.--Lat 28°06'59", long 82°19'43", in NE¼SW¼ sec.20, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.8 mi west of State Highway 579, and 2.7 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 14 in, depth 600 ft, cased to 100 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.17 ft above land-surface datum.

DATUM.--Land-surface datum is 38.36 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Record is equivalent to that for Tampa Deep Well 3 (280648082195201), available October 1971 to March 1975.

PERIOD OF RECORD.--March 1975 to January 1976; March 1978 to current year. Prior to March 1978, published as Tampa Deep Well 3A near Branchton.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.93 ft NGVD, Oct. 5, 1975; lowest, 20.08 ft NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.19	29.55	29.55	31.05	29.86	31.19	29.98	26.91	24.57	26.93	27.86	25.94
10	28.56	29.59	28.65	30.92	29.47	30.33	30.12	25.47	23.96	27.50	27.46	26.32
15	29.78	29.36	29.33	31.15	30.20	30.43	32.75	25.19	24.87	26.99	28.76	25.97
20	29.88	28.78	30.23	31.17	29.09	30.02	29.52	23.69	25.51	26.58	27.37	26.34
25	29.81	29.41	30.10	30.94	29.93	29.68	28.65	24.29	25.31	28.34	28.26	26.83
EOM	30.58	29.12	31.39	30.87	30.42	28.96	27.49	24.64	25.57	26.77	27.13	26.97
MAX	31.81	30.36	31.39	31.56	30.62	31.35	33.02	27.76	25.71	28.34	28.81	26.97

WTR YR 1984 MAX 33.02

WELL NUMBER.--280655082193002. Morris Bridge Shallow Well 3A near Branchton, FL.

LOCATION.--Lat 28°06'59", long 82°19'43", in SW¼SE¼ sec.20, T.27 S., R.20 E., Hydrologic Unit 03100205, 1.8 mi west of State Highway 579, and 2.7 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 16 ft, cased to 12 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 3.40 ft above land-surface datum.

DATUM.--Land-surface datum is 37.58 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 35.92 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--May 1972 to July 1976 (quarterly), incomplete; October 1976 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.22 ft. Revised records are in files of the Geological Survey. See DATUM. Prior to October 1977, published as Tampa Shallow Well 3A near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.96 ft NGVD, Mar. 10, 1978; lowest measured, 26.13 ft NGVD, July 10, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
08...	1504	34.43	29...	1055	32.07
JAN			AUG		
12...	1223	36.61	30...	1435	36.36
MAR			SEP		
02...	1449	36.32	10...	1438	32.55
MAY					
04...	1200	34.24			
14...	1216	33.57			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HILLSBOROUGH COUNTY

WELL NUMBER.--280659082175201. Morris Bridge Deep Well 13 near Branchton, FL.

LOCATION.--Lat 28°06'55", long 82°17'52", in NE¼SW¼ sec.22, T.27 S., R.20 E., Hydrologic Unit 03100205, 0.2 mi southeast of Morris Bridge Road, and 1.4 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 593 ft, cased to 50 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor 3.05 ft above land-surface datum. Prior to Jan. 27, 1984, top of recorder shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 37.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--March 1976 to September 1980; January to September 1984. March to September 1976, published as Morris Bridge Road Well near Tampa; October 1976 to September 1977, published as Morris Bridge Road Well near Branchton.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.16 ft NGVD, Oct. 3, 1979; lowest, 24.47 ft NGVD, Dec. 4, 1978.

ELEVATION (FEET NGVD), JANUARY TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				---	32.36	32.20	32.22	27.52	25.76	28.99	31.47	28.25
10				---	32.11	31.05	32.20	27.18	25.30	29.30	31.17	28.15
15				---	33.56	31.33	33.12	26.20	26.33	28.91	31.71	27.58
20				---	32.86	30.84	32.03	25.98	26.93	28.74	31.04	27.44
25				---	33.10	30.47	30.74	26.27	25.45	29.89	31.24	27.56
EOM				32.45	33.40	31.01	30.13	26.31	26.29	29.02	29.50	28.18
MAX				---	33.63	33.30	33.19	30.19	26.99	29.39	31.79	28.87

WELL NUMBER.--280659082175202. Morris Bridge Shallow Well 13 near Branchton, FL.

LOCATION.--28°06'55", long 82°17'52", in NE¼SW¼ sec.22, T.27 S., R.20 E., Hydrologic Unit 03100205, 0.2 mi, and 1.4 mi southwest of Branchton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 8.67 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of PVC adapter, 1.73 ft above land-surface datum.

DATUM.--Land-surface datum is 37.88 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January to September 1984 (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.94 ft NGVD, Jan. 13, 1984; lowest measured, 33.43 ft NGVD, May 15, 1984.

ELEVATION, IN FEET NGVD, JANUARY TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
JAN					
13...	--	36.94	MAY		
27...	1153	35.92	15...	1247	33.43
MAR			JUN		
05...	1107	35.20	29...	1300	34.16
09...	1344	34.59	AUG		
26...	1445	34.02	30...	1010	34.81
MAY			SEP		
04...	1400	33.86	11...	1308	34.24

HILLSBOROUGH COUNTY

WELL NUMBER.--280659082294302. Berger Deep Well near Citrus Park, FL.

LOCATION.--Lat 28°06'59", long 82°29'43", in SE¼SW¼ sec.22, T.27 S., R.18 E., Hydrologic Unit 03100205, 0.5 mi east of State Highway 597, and 5.4 mi northeast of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 134 ft, cased to 44 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.62 ft (corrected) above land-surface datum. Prior to June 8, 1977, top of recorder shelter floor, 2.62 ft above land-surface datum; June 8, 1977, to Feb. 8, 1983, top of nipple, 2.49 ft above land-surface datum.

DATUM.--Land-surface datum is 57.25 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--November 1964 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.71 ft NGVD, Sept. 27, 28, 1979; lowest, 33.20 ft NGVD, May 30, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	45.08	44.22	44.02	45.41	45.30	45.50	45.62	42.59	40.69	42.70	42.82	42.16
10	44.69	44.58	44.78	45.48	45.18	45.00	45.66	41.76	39.12	41.74	42.82	41.47
15	45.66	44.62	45.31	45.72	45.84	45.40	44.82	41.31	41.08	42.22	42.76	39.79
20	45.29	43.65	45.83	46.25	45.35	45.05	44.08	39.04	41.48	41.48	42.88	41.40
25	44.96	44.58	44.80	46.30	45.31	45.10	44.57	42.24	42.24	42.05	43.13	39.72
EOM	44.32	44.42	45.06	45.39	45.73	44.58	43.92	43.39	41.89	43.45	42.11	42.35
MAX	45.94	44.69	45.86	46.30	45.97	45.77	45.71	43.46	42.62	43.45	44.12	42.74

WTR YR 1984 MAX 46.30

WELL NUMBER.--280702082302801. Hillsborough Deep Well 13 near Citrus Park, FL.

LOCATION.--Lat 28°07'02", long 82°30'28", in NW¼SE¼ sec.21., T.27 S., R.18 E., Hydrologic Unit 03100206, 1.5 mi west of State Highway 597, and 4.7 mi northeast of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 347 ft, cased to 46 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 1.04 ft above land-surface datum. Prior to Mar. 15, 1978, top of recorder shelter floor, 2.55 ft above land-surface datum.

DATUM.--Land-surface datum is 55.82 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1930 to April 1935 (about monthly); January 1937 to November 1940 (about annually); June 1944 to current year, incomplete. Records of water levels prior to January 1956 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.90 ft NGVD, Sept. 23, 1947; lowest, 24.04 ft NGVD, May 11, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.90	38.12	38.33	38.59	37.91	37.96	39.09	34.58	33.77	37.18	36.97	35.13
10	38.32	38.78	38.73	37.89	39.24	37.29	39.19	35.69	32.26	36.08	37.09	35.00
15	39.60	38.69	39.29	38.36	39.68	39.08	38.55	34.50	35.21	35.13	36.78	33.33
20	38.16	36.69	39.89	40.27	39.19	38.65	36.62	29.96	36.57	34.59	36.99	35.33
25	37.71	37.45	37.85	40.30	38.71	38.69	38.06	35.56	36.56	35.83	37.19	34.36
EOM	37.02	37.36	37.50	38.02	38.25	37.00	37.09	37.22	36.42	39.55	35.03	35.43
MAX	40.04	39.13	39.89	40.36	39.75	39.16	39.25	37.22	37.29	39.55	39.99	36.32

WTR YR 1984 HIGH 40.36 JAN 21

HILLSBOROUGH COUNTY

WELL NUMBER.--280703082341701. James Deep Well 11 near Citrus Park, FL.

LOCATION.--Lat 28°07'03", long 82°34'17", in SW¼SE¼ sec.23, T.27 S., R.17 E., Hydrologic Unit 03100206, 0.5 mi east of State Highway 587, and 2.4 mi north of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 16 in, depth 300 ft, cased to 76 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 8 in extension, 2.28 ft above land-surface datum.

DATUM.--Land-surface datum is 57.37 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 39.87 ft NGVD, Oct. 1, 1979; lowest, 19.00 ft NGVD, May 31, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.25	33.44	32.43	34.17	35.58	33.38	34.17	29.87	29.19	32.78	33.74	31.57
10	30.67	35.41	34.60	34.91	32.76	33.45	33.89	28.62	28.72	33.16	33.32	31.24
15	34.97	35.33	36.08	35.91	34.60	32.92	33.38	24.99	31.25	32.58	32.03	30.87
20	35.12	34.82	35.85	36.11	34.59	32.15	33.27	27.71	32.55	33.04	33.00	31.81
25	35.18	35.29	36.29	36.56	37.01	34.97	33.49	30.92	32.11	33.11	33.08	30.58
EOM	32.12	35.82	35.10	36.28	36.46	31.50	29.40	32.93	32.73	34.86	30.77	31.61
MAX	35.32	36.11	36.98	37.38	37.01	36.20	34.39	33.85	33.06	34.86	34.53	32.16

WTR YR 1984 HIGH 37.38 JAN 22

WELL NUMBER.--280728082301101. St. Petersburg Deep Well 21-7 near Lutz, FL.

LOCATION.--Lat 28°07'28", long 82°30'11", in NE¼NE¼ sec.21, T.27 S., R.18 E., Hydrologic Unit 03100206, 200 ft west of State Highway 597, and 3.1 mi southwest of Lutz.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,250 ft, cased to 718 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.21 ft above land-surface datum.

DATUM.--Land-surface datum is 56.66 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1968 to December 1972 (bimonthly); January 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.30 ft NGVD, Sept. 28, 1979; lowest, 28.24 ft NGVD, May 30, 1973.

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.75	41.73	40.98	42.80	42.62	42.96	42.41	39.76	36.92	39.74	40.60	39.10
10	41.31	41.42	41.51	43.45	42.01	42.41	42.18	38.83	35.18	39.54	41.23	38.97
15	42.43	41.46	42.02	43.07	42.47	41.99	41.56	37.75	38.38	39.45	40.35	37.27
20	42.96	41.42	42.76	43.16	41.99	41.67	41.71	35.91	38.25	38.70	41.00	39.40
25	42.57	42.28	41.95	43.16	41.78	41.65	41.18	39.82	39.14	40.00	41.20	37.21
EOM	42.00	42.27	42.87	43.03	43.18	42.17	40.30	40.52	39.05	42.68	39.90	39.55
MAX	42.96	42.31	42.87	43.65	43.18	43.30	42.41	41.83	39.39	42.68	43.10	41.03

WTR YR 1984 HIGH 43.65 JAN 12

HILLSBOROUGH COUNTY

WELL NUMBER.--280739082294202. Van Dyke Shallow Well near Lutz, FL.

LOCATION.--Lat 28°07'39", long 82°29'42", in NE¼SW¼ sec.22, T.27 S., R.18 E., Hydrologic Unit 03100206, 0.3 mi east of intersection State Highway 597 and Little Road, and 2.6 mi southwest of Lutz.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 22 ft, cased to 18 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 59.59 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1964 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 60.71 ft NGVD, Sept. 24, 1979; lowest, 48.30 ft NGVD, July 20, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.09	55.52	55.28	57.14	56.60	57.36	57.10	55.72	54.68	53.68	53.55	53.42
10	55.84	55.49	55.39	57.10	56.38	57.03	56.95	55.48	54.48	53.60	53.40	53.14
15	56.22	55.38	55.82	57.27	57.18	56.90	56.67	55.23	54.27	53.52	53.27	52.96
20	56.33	55.40	56.69	57.20	57.06	56.69	56.44	54.98	54.11	53.43	53.15	52.80
25	56.01	55.71	56.62	57.06	57.62	56.47	56.19	55.04	53.96	53.34	53.73	52.63
EOM	55.71	55.40	57.33	56.79	57.72	56.33	55.96	54.86	53.81	53.39	53.76	52.71
MAX	56.43	55.79	57.33	57.33	57.72	57.68	57.12	55.90	54.83	53.78	53.81	53.71

WTR YR 1984 HIGH 57.72 FEB 28 AND OTHERS

WELL NUMBER.--280740082271001. Debuel Road Deep Well near Lutz, FL.

LOCATION.--Lat 28°07'40", long 82°27'10", in SE¼SE¼ sec.13, T.27 S., R.18 E., Hydrologic Unit 03100205, 0.7 mi east of intersection U. S. Highway 41 and Debuel Road, and 1.8 mi south of Lutz.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 300 ft, cased to 118 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 63.68 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 60.13 ft NGVD, Sept. 27, 1979; lowest, 50.33 ft NGVD, May 14, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.18	56.60	56.46	57.65	57.34	57.76	55.85	55.55	54.95	55.06	56.42	55.75
10	56.93	56.70	56.62	57.98	57.07	57.00	56.10	55.49	54.48	55.36	56.44	55.74
15	57.35	56.52	57.09	57.96	57.64	56.80	56.00	55.09	54.76	55.36	56.21	55.09
20	57.27	56.58	57.59	58.03	57.33	56.35	55.95	54.76	54.81	55.50	56.20	55.21
25	57.04	56.78	57.29	57.85	58.00	56.20	55.85	55.39	54.71	55.70	56.55	54.66
EOM	56.73	56.69	57.86	57.53	58.17	55.50	55.70	55.64	54.57	56.22	56.07	55.42
MAX	57.44	56.85	57.86	58.05	58.23	58.05	56.10	55.70	55.54	56.22	56.69	55.98

WTR YR 1984 MAX 58.23

WELL NUMBER.--280740082271002. Debuel Road Shallow Well near Lutz, FL.

LOCATION.--Lat 28°07'40", long 82°27'10", in SE¼SE¼ sec.13, T.27 S., R.18 E., Hydrologic Unit 03100205, 0.7 mi east of intersection U. S. Highway 41 and Debuel Road, and 1.8 mi south of Lutz.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 25 ft, cased to 22 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing extension, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.61 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1965 to April 1968 (intermittent); May 1968 to September 1969, incomplete; October 1969 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.21 ft NGVD, Sept. 17, 1979; lowest measured, 53.31 ft NGVD, June 30, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV					
04...	1050	59.12	MAY		
JAN			18...	0740	57.20
12...	1230	60.68	JUN		
MAR			27...	1010	57.24
05...	1050	60.74	AUG		
MAY			29...	0920	59.05
10...	1030	58.59			

HILLSBOROUGH COUNTY

WELL NUMBER.--280752082182701. Morris Bridge Deep Well 14 near Branchton, FL.

LOCATION.--Lat 28°07'52", long 82°18'27", in NW¼SE¼ sec.16, T.27 S., R.20 E., Hydrologic Unit 03100205, at Thomason Sod Farm, 1.1 mi west of State Highway 579, and 1.3 mi southwest of Branchton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,783 ft, cased to 82 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.85 ft above land-surface datum. Prior to April 1978, top of casing, 0.35 ft above land-surface datum; April to October 25, 1978, top of recorder shelter floor, 0.44 ft above land-surface datum.

DATUM.--Land-surface datum is 46.12 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1972 to March 1975 (quarterly), incomplete; May 1975 to September 1977 (semiannually); April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.19 ft NGVD, Sept. 19, 1974; lowest daily maximum water level, 30.57 ft NGVD, May 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.28	37.95	37.98	39.52	39.00	39.62	39.46	36.67	34.26	37.50	38.11	34.94
10	39.08	38.11	37.89	39.48	38.69	39.25	38.96	35.70	34.01	38.03	37.71	35.07
15	39.41	38.29	38.79	39.76	40.21	39.80	40.91	34.51	34.36	37.29	38.02	34.76
20	39.62	38.39	39.58	39.80	38.43	39.27	38.85	34.82	34.47	36.09	37.26	35.58
25	39.64	38.50	39.34	39.74	39.38	38.15	37.09	35.84	34.37	36.99	37.01	35.80
EOM	39.05	38.51	39.50	39.40	39.80	38.72	36.86	36.15	34.98	36.36	35.26	36.27
MAX	40.26	38.82	39.87	40.00	40.46	40.11	41.11	37.35	35.91	38.14	38.30	36.27

WTR YR 1984 MAX 41.11

WELL NUMBER.--280802082085801. Norton's Dairy Well near Crystal Springs, FL.

LOCATION.--Lat 28°08'02", long 82°08'58", in NE¼SW¼ sec.18, T.27 S., R.22 E., Hydrologic Unit 03100205, 200 ft west of State Highway 39, and 3.5 mi south of Crystal Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 1.5 in, depth 45 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby domestic supply well.

PERIOD OF RECORD.--October 1966 to December 1973 (annually); January 1974 to September 1977 (semiannually); October 1977 to current year (bimonthly). Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.30 ft NGVD, Mar. 8, 1979; lowest measured, 69.59 ft NGVD, July 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1350	74.22	MAY 16...	083[illegible]	73.54
JAN 13...	1120	76.49	JUL 02...	1505	75.19
MAR 01...	1207	76.30	SEP 14...	1000	77.21

HILLSBOROUGH COUNTY

WELL NUMBER.--280852082135601. Hillsborough State Park Parking Area Deep Well near Zephyrhills, FL.

LOCATION.--Lat 28°08'52", long 82°13'56", in NE¼SW¼ sec.8, T.27 S., R.21 E., Hydrologic Unit 03100205, 25 ft north of main parking lot in Hillsborough State Park, 0.5 mi northwest of U. S. Highway 301, and 6.5 mi southwest of Zephyrhills.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 50 ft, cased to 37 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 46.13 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 46.56 ft NGVD, Sept. 30, 1979; lowest, 35.76 ft NGVD, July 8, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.80	39.25	39.09	42.22	41.06	42.37	41.51	39.23	37.74	38.20	40.71	39.70
10	39.32	39.31	39.10	42.15	40.70	41.60	41.33	38.82	37.54	38.97	40.97	39.43
15	39.31	39.12	40.25	42.47	41.01	41.28	40.94	38.45	37.35	39.63	41.08	38.96
20	39.76	39.03	41.34	42.70	40.79	40.88	40.51	38.11	37.30	39.55	40.40	38.68
25	39.84	39.30	41.19	42.16	42.56	40.57	40.00	38.00	37.20	39.45	41.42	38.31
EOM	39.43	39.24	43.04	41.43	43.41	40.21	39.57	37.94	37.15	39.65	40.31	38.41
MAX	40.34	39.39	43.04	43.01	43.41	43.27	41.62	39.49	37.89	39.72	41.95	40.18

WTR YR 1984 MAX 43.41

WELL NUMBER.--280920082322101. Lutz-Lake Fern Deep Well near Lutz, FL.

LOCATION.--Lat 28°09'20", long 82°32'21", in NW¼NE¼ sec.7, T.27 S., R.18 E., Hydrologic Unit 03100206, 2.6 mi east of intersection State Highway 587 and Lutz-Lake Fern Road, and 4.6 mi west of Lutz.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 375 ft, cased to 65 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 59.32 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1963 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 48.43 ft NGVD, Feb. 19, 1963; lowest, 34.02 ft NGVD, May 10, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.54	43.19	42.76	44.38	44.62	44.52	43.68	40.87	40.37	41.93	43.56	41.36
10	42.53	42.75	42.73	44.56	43.49	43.84	43.53	40.06	38.64	41.98	43.46	42.24
15	43.46	42.60	43.21	45.01	43.78	43.42	43.13	39.26	39.97	41.99	42.84	41.29
20	44.03	43.00	44.26	44.53	43.67	43.00	43.22	37.84	41.17	41.56	43.11	41.13
25	43.74	43.66	44.29	44.68	43.40	42.94	42.76	39.92	41.28	42.40	43.86	40.14
EOM	43.41	43.69	43.74	44.54	44.50	43.76	41.77	41.89	41.10	43.00	42.40	41.59
MAX	44.37	43.73	44.42	45.09	44.73	44.74	43.68	41.89	42.08	43.00	43.94	42.33

WTR YR 1984 HIGH 45.09 JAN 16

HILLSBOROUGH COUNTY

WELL NUMBER.--280944082380501. Eldridge-Wilde Deep Well N-4 near Tarpon Springs, FL.

LOCATION.--Lat 28°09'44", long 82°38'05", in NE¼SE¼ sec.6, T.27 S., R.17 E., Hydrologic Unit 03100207, 3.8 mi northeast of intersection State Highway 582 and East Lake Road, and 6.4 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 350 ft, cased to 100 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.04 ft above land-surface datum.

DATUM.--Land-surface datum is 41.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--July 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.70 ft NGVD, Oct. 8, 1982; lowest, 18.20 ft NGVD, May 17, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.04	27.74	28.59	30.46	29.79	27.61	29.17	24.51	23.06	27.43	27.60	27.46
10	24.54	29.20	29.31	31.14	29.62	27.58	29.39	23.29	21.50	26.00	24.79	26.76
15	29.03	28.86	30.32	30.27	29.97	28.03	28.94	22.36	24.20	28.12	25.20	24.02
20	29.65	29.22	30.71	31.13	28.51	27.31	27.16	21.25	26.87	26.60	28.44	27.65
25	29.92	29.50	30.52	29.19	30.69	27.80	26.37	24.85	26.80	28.40	27.89	25.15
EOM	29.05	29.50	30.51	30.35	29.57	26.28	23.95	26.76	26.45	29.80	25.85	27.21
MAX	30.08	29.75	30.93	31.59	30.69	29.96	29.58	26.76	27.07	29.80	30.10	28.05

WTR YR 1984 MAX 31.59

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HILLSBOROUGH					
273753082210601	DUKE AND BENEDICT NO 1	27 37 53	082 21 06	01	84-05-15	-16.46
273843082321501	SW HILLS CO WELL 4B NR RUSKIN	27 38 43	082 32 15	01	84-05-14 84-09-11	-9.89 11.10
273904082053801	WR GRACE GS-6 NR DUETTE , FL	27 39 04	082 05 38	01	84-05-11 84-09-10	30.83 41.33
274103082053801	SPIVEY GROVE	27 41 03	082 05 38	01	84-05-16 84-09-11	29.42 42.74
274118082235101	SW HILLS CO WELL 30 NR RUSKIN	27 41 18	082 23 51	01	84-05-15 84-09-11	0.53 10.75
274134082205001	BUZZBEE	27 41 34	082 20 50	01	84-05-14 84-09-11	-11.36 9.42
274135082274801	SO HILLS SH WELL 913	27 41 35	082 27 48	01	84-05-14 84-09-11	15.53 15.90
274145082114901	STANALAND	27 41 45	082 11 49	01	84-05-16 84-09-12	12.69 33.11
274151082205601	VALIMAR	27 41 54	082 20 56	01	84-05-15 84-09-11	-14.57 9.43
274235082252301	S W HILLS D WELL 59-929	27 42 35	082 25 23	01	84-05-15	-6.05
274237082174001	S W HILLSBOROUGH WELL 61A	27 42 37	082 17 40	01	84-05-14 84-09-11	-8.09 17.75
274247082231001	SO HILLS SH WELL 914	27 42 47	082 23 10	01	84-05-15 84-09-10	37.45 38.01
274256082201601	SW HILLS CO 68(SUN CITY CENTER W.7) NR WIMAUMA	27 42 56	082 20 16	01	84-05-15 84-09-10	-12.47 9.57
274259082232601	S W HILLSBOROUGH WELL 68B	27 42 59	082 23 26	01	84-05-15 84-09-10	-10.70 9.60
274303082280901	SW HILLS CO WELL 71 NR RUSKIN	27 43 03	082 28 09	01	84-05-14 84-09-11	3.77 11.80
274309082203301	743 220 342 SUN CITY #3	27 43 09	082 20 33	01	84-09-10	48.09
274312082144201	LANE(SW HILLS CO WELL 72A) NR WIMAUMA	27 43 12	082 14 42	01	84-05-16 84-09-12	-12.46 18.42
274315082201702	SUN CITY #2	27 43 15	082 20 17	02	84-05-15 84-09-10	59.92 58.53
274318082202902	T32S20E06 SUN CITY A	27 43 18	082 20 29	02	84-05-15 84-09-10	54.91 55.11
274318082202903	T32S20E06 SUN CITY B	27 43 18	082 20 29	03	84-05-15 84-09-10	56.43 56.78
274322082202601	SUN CITY #5(SW HILLS CO 79) NR WIMAUMA	27 43 22	082 20 26	01	84-09-10	7.25
274335082121301	BREWSTER PHOSPHATE WELL M9	27 43 35	082 12 13	01	84-05-14 84-09-12	9.39 9.72
274352082061001	BREWSTER WELL M6 NR FT LONESOME,FLA	27 43 52	082 06 10	01	84-05-14	31.51
274403082200901	SUN CITY WELL 8(SW HILLS CO 87A) NR WIMAUMA	27 44 03	082 20 09	01	84-05-15	-14.52
274403082200902	8SH (87A) NR SUN CITY CENTER, FL	27 44 03	082 20 09	02	84-05-15 84-09-10	62.44 61.93
274410082230701	SW HILLS CO WELL 96 NR RUSKIN	27 44 10	082 23 07	01	84-05-15 84-09-11	-12.53 3.19
274419082135801	GRADY SWEAT D. WELL NR FT. LONESOME	27 44 19	082 13 58	01	84-09-12	23.63
274443082200901	102B	27 44 43	082 20 09	01	84-09-10	9.66
274454082165201	SW HILLS CO WELL 102A NR BALM	27 44 54	082 16 52	01	84-05-16 84-09-11	-10.23 9.55
274508082243401	SO HILLS SH WELL 912	27 45 08	082 24 34	01	84-05-14 84-09-11	5.87 4.89
274521082230601	745 223 424	27 45 21	082 23 06	01	84-09-11	4.50
274524082095401	WELL 745 209 2454	27 45 24	082 09 54	01	84-05-15	18.32

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	HILLSBOROUGH					
274543082234001	SW HILLS CO WELL 118 NR RUSKIN	27 45 43	082 23 40	01	84-05-15 84-09-11	-5.49 6.80
274605082170701	SW HILLS CO WELL 27A NR BALM	27 46 05	082 17 07	01	84-05-16 84-09-11	-10.11 10.91
274748082130201	SIMMONS FISH FARM	27 47 48	082 13 02	01	84-09-12	24.78
274813082223601	SW HILLS CO 182 NR ADAMSVILLE	27 48 13	082 22 36	01	84-05-14 84-09-11	-2.98 6.54
274837082232901	KUSHNER WELL AT ADAMSVILLE, FLA	27 48 37	082 23 29	01	84-05-31 84-07-27	2.29 7.18
274857082194702	SO HILLS SH WELL 963	27 48 57	082 19 47	02	84-05-15 84-09-10	57.28 59.15
274857082195301	RIVERVIEW WELL NO.3 NEAR RIVERVIEW, FLA	27 48 57	082 19 53	01	84-05-15 84-09-10	-4.98 8.65
274857082195302	SO HILLS SH WELL 962	27 48 57	082 19 53	02	84-05-15 84-09-10	55.16 57.50
274903082195302	SO HILLS SH WELL 961	27 49 03	082 19 53	02	84-09-10	56.00
274907082195302	SO HILLS SH WELL 960	27 49 07	082 19 53	02	84-05-15 84-09-10	53.56 55.26
274909082194701	749 219 332A RIVERVIEW #7	27 49 09	082 19 47	01	84-09-10	3.91
274909082194702	SO HILLS SH WELL 965	27 49 09	082 19 47	02	84-05-15 84-09-10	53.21 55.43
274915082190401	SOUTHWEST HILLSBOROUGH 213	27 49 15	082 19 04	01	84-05-15 84-09-10	-2.63 5.89
274919082225401	SO HILLS SH WELL 911	27 49 19	082 22 54	01	84-05-14 84-09-11	-2.15 2.99
274928082225501	SW HILLS CO 220 AT ADAMSVILLE	27 49 28	082 22 55	01	84-05-14 84-09-11	-2.60 3.35
274948082144901	SW HILLS CO 227 NR BOYETTE	27 49 48	082 14 49	01	84-09-12	18.18
274955082103801	MAIDEN HEAD DAIRY D. WELL NR LITHIA	27 49 55	082 10 38	01	84-05-16 84-09-12	21.10 37.38
275017082054501	WELL 750 205 1745	27 50 17	082 05 45	01	84-05-15 84-09-11	45.23 55.24
275035082165201	SW HILLS CO 244 NR RIVERVIEW	27 50 35	082 16 52	01	84-05-16 84-09-12	-0.51 12.73
275045082223301	SW HILLS CO 248 NR GIBSONTON	27 50 45	082 22 33	01	84-05-14 84-09-12	-6.62 -1.58
275117082090001	-BLACK & TURNER	27 51 17	082 09 00	01	84-05-15 84-09-11	33.37 45.12
275135082315701	TAMPA SEWERS WELL AT TAMPA	27 51 35	082 31 57	01	84-05-14 84-09-10	-0.28 1.13
275140082314501	PORT TAMPA FIRE HOUSE D. WELL AT PORT TAMPA,FL	27 51 40	082 31 45	01	84-05-14 84-09-10	1.10 1.94
275152082035801	EDISON JUNCTION WELL NR KEYSVILLE, FLA	27 51 52	082 03 58	01	84-07-30	56.51
275210082171001	MCMULLEN CAMPGROUND SO E RIVERVIEW FLA	27 52 10	082 17 10	01	84-05-16	7.37
275227082310101	ROBINSON HIGH SCHOOL STADIUM D. WELL AT TAMPA,FL	27 52 27	082 31 01	01	84-05-14 84-09-10	-0.60 1.75
275316082232101	CHANCEY NR GIBSONTON	27 53 16	082 23 21	01	84-05-14 84-09-12	-4.65 -0.80
275316082285901	TAMPA YACHT AND RIDING STABLES AT BALLAST POINT	27 53 16	082 28 59	01	84-05-14 84-09-10	0.83 1.58
275318082312201	PAXTON PUMP STATION WELL AT TAMPA	27 53 18	082 31 22	01	84-05-14 84-09-10	2.71 3.58
275322082034101	WELL 753 203 2241	27 53 22	082 03 41	01	84-05-15 84-09-11	52.18 59.81
275322082160802	BELL SHOALS SH NR BRANDON	27 53 22	082 16 08	02	84-05-14 84-09-10	43.86 45.22

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275323082302201	BALLAST POINT PUMP STATION WELL AT TAMPA	27 53 23	082 30 22	01	84-05-14 84-09-10	9.45 10.40
275337082171701	FIRE STATION WELL	27 53 37	082 17 17	01	84-05-14 84-09-10	10.60 15.25
275337082171702	FIRE STATION SH NR BRANDON	27 53 37	082 17 17	02	84-05-14 84-09-10	28.44 29.20
275413082114301	LEWIS IRR WELL DURANT RD NR BRANDON	27 54 13	082 11 43	01	84-05-15 84-09-11	18.68 24.61
275413082170801	BRANDON 8 RIDGE	27 54 13	082 17 08	01	84-09-10	15.88
275438082162301	OAKMONT DP NR BRANDON	27 54 38	082 16 23	01	84-05-14 84-09-10	11.68 16.43
275452082294101	ACADEMY OF THE HOLY NAMES AT TAMPA,FL	27 54 52	082 29 41	01	84-05-14 84-09-10	2.72 3.80
275458082310301	H.MURPHY,4317 SAN LUIS AT TAMPA,FL	27 54 58	082 31 03	01	84-05-14 84-09-10	3.34 4.66
275504082171001	WELL 755 217 0410	27 55 04	082 17 10	01	84-05-14 84-09-10	26.14 29.5[illegible]
275505082175301	BRANDON 11 TRADEWIND	27 55 05	082 17 53	01	84-09-10	15.81
275508082164401	BRANDON 5 COLONIAL	27 55 08	082 16 44	01	84-05-14 84-09-10	11.46 16.19
275521082310601	SAN JOSE PUMP STATION WELL AT TAMPA,FLA	27 55 21	082 31 06	01	84-05-14 84-09-10	4.72 5.56
275524082303101	M.BALIF,3909 PALMIRA AT TAMPA,FL	27 55 24	082 30 31	01	84-05-14 84-09-10	10.51 11.27
275526082301301	PLANT HIGH SCHOOL STADIUM D.WELL AT TAMPA,FL	27 55 26	082 30 13	01	84-05-14 84-09-10	7.70 10.32
275529082143301	BRANDON RIDGELAND	27 55 29	082 14 33	01	84-05-14 84-09-10	11.61 16.44
275536082171102	J.MOORE SH WELL NR BRANDON, FL	27 55 36	082 17 11	02	84-05-14 84-09-10	28.76 30.07
275601082300201	MORRISON PUMP STA. WELL AT TAMPA,FLA	27 56 01	082 30 02	01	84-05-14 84-09-10	15.37 16.11
275603082175001	OAKFIELD DR DP NR BRNDN	27 56 03	082 17 50	01	84-05-14 84-09-10	12.62 17.32
275608082074201	WELL 756 207 0842	27 56 08	082 07 42	01	84-09-12	67.35
275609082191401	HILLSBORO MEM CEM DP NR BRNDN	27 56 09	082 19 14	01	84-05-14 84-09-10	12.03 16.75
275614082310001	SWAN PUMP STATION WELL AT TAMPA,FLA	27 56 14	082 31 00	01	84-05-14 84-09-10	-1.74 1.50
275623082154101	BRANDON 15 MT. CARMEL	27 56 23	082 15 41	01	84-05-14 84-09-10	12.91 17.78
275626082210701	NICK RUSSO D. WELL SR 60 NR TAMPA	27 56 26	082 21 07	01	84-05-14 84-09-10	12.88 14.88
275627082150801	TURNER WELL NR BRANDON, FLA	27 56 27	082 15 08	01	84-05-14 84-09-10	15.65 20.84
275630082275201	NCNB NAT'L BANK,249 SO HYDE PARK AT TAMPA,FL	27 56 30	082 27 52	01	84-05-14 84-09-10	6.07 7.49
275631082293801	A.MESSINA,305 SO.MACDILL AVE. AT TAMPA,FL	27 56 31	082 29 38	01	84-05-14 84-09-10	9.05 10.55
275634082282201	W.POPE,108 SO WILLOW AT TAMPA,FL	27 56 34	082 28 22	01	84-05-14 84-09-10	6.43 7.86
275634082305701	CLEVELAND AND HUBERT D WELL AT TAMPA,FL	27 56 34	082 30 57	01	84-05-14 84-09-10	1.61 2.29
275639082163401	BRANDON 2 RAINBOW 2	27 56 39	082 16 34	01	84-05-14	11.86
275639082163402	RAINBOW 2 SH AT BRANDON	27 56 39	082 16 34	02	84-05-14 84-09-10	36.19 41.05

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	HILLSBOROUGH					
275647082292101	WEST TAMPA EJECTOR WELL AT TAMPA	27 56 47	082 29 21	01	84-05-14 84-09-10	14.96 16.25
275653082231101	USCE WELL TBC-15 AT TAMPA,FLA	27 56 53	082 23 11	01	34-05-15 84-09-14	6.76 6.12
275720082162501	BRANDON FOSTER RD.	27 57 20	082 16 25	01	84-05-14 84-09-10	14.30 19.20
275733082304301	TAMPA SEWERS S. WELL 651 AT TAMPA,FL	27 57 33	082 30 43	01	84-05-14 84-09-10	15.96 16.87
275753082152301	HULMBERG DP WELL NR BRANDON FL	27 57 53	082 15 23	01	84-05-14 84-09-10	19.24 24.20
275759082171201	BRANDON 13 LENTZ	27 57 59	082 17 12	01	84-05-14 84-09-10	12.78 17.52
275759082171202	LANTZ SH WELL NR BRANDON FL	27 57 59	082 17 12	02	84-05-14 84-09-10	32.48 33.43
275808082073001	COONE D. WELL SR 39 NR PLANT CITY	27 58 08	082 07 30	01	84-05-15 84-09-11	68.46 76.02
275811082161601	OAK FOREST DP AT BRANDON	27 58 11	082 16 16	01	84-05-14 84-09-10	16.53 21.01
275811082282901	BEAGLES,1012 CORAL AT TAMPA,FL	27 58 11	082 28 29	01	84-05-14 84-09-10	10.17 12.64
275825082271501	ROBLES PARK WELL AT TAMPA,FLA	27 58 25	082 27 15	01	84-09-10	25.36
275853082181801	HOLT DP NR MANGO	27 58 53	082 18 18	01	84-05-14 84-09-10	17.90 20.91
275853082185901	BUFFALO AVE SH NR MANGO,FL	27 58 53	082 18 59	01	84-05-14 84-09-10	29.70 30.37
275905082292901	THE WOODLANDS APTS,4714 NO HABANA AT TAMPA,FL	27 59 05	082 29 29	01	84-05-14 84-09-10	14.29 15.76
275907082170701	BRANDON GROVES NORTH	27 59 07	082 17 07	01	84-05-14 84-09-10	18.40 22.16
275908082182602	PRESIDENTAL MANOR SH AT MANGO,FL	27 59 08	082 18 26	02	84-05-14 84-09-10	43.72 47.04
275928082312801	TIA AIRCRAFT MAINTENANCE AT TAMPA,FL	27 59 28	082 31 28	01	84-05-14 84-09-10	16.18 17.44
275942082153101	VET'S WHSE NURSERY DP WELL NR SEFFNER	27 59 42	082 15 31	01	84-05-14 84-09-10	25.88 30.44
280005082181001	BRANDON 21 ALSO 579	28 00 05	082 18 10	01	84-09-10	21.31
280012082174601	DP-6 NR SEFFNER,FL	28 00 12	082 17 46	01	84-05-14 84-09-10	18.11 21.33
280021082163302	POLITAL 1 SH NR SEFFNER,FL	28 00 21	082 16 33	02	84-05-14 84-09-10	50.03 50.81
280034082362401	CHANNEL A D. WELL 38 NR TAMPA, FL	28 00 34	082 36 24	01	84-05-16 84-09-12	3.23 4.31
280042082142301	GRIFFIN 2 D. WELL NR DOVER	28 00 42	082 14 23	01	84-05-15 84-09-11	48.58 53.23
280058082362303	CHANNEL A D. WELL 02 NR TAMPA, FL	28 00 58	082 36 23	03	84-05-16 84-09-12	2.96 3.71
280058082362401	CHANNEL A D. WELL 36 NR TAMPA, FL	28 00 58	082 36 24	01	84-05-16 84-09-12	5.54 9.35
280058082362402	CHANNEL A S. WELL 37 NR TAMPA, FL	28 00 58	082 36 24	02	84-05-16 84-09-12	2.47 4.84
280117082322701	CITY OF TAMPA D. WELL AT TAMPA,FL	28 01 17	082 32 27	01	84-05-14 84-09-10	15.69 17.58
280123082171301	F-12 NR SEFFNER,FL	28 01 23	082 17 13	01	84-05-14 84-09-10	20.12 23.58
280123082171302	S-12 NEAR SEFFNER, FL	28 01 23	082 17 23	02	84-05-14 84-09-10	51.70 52.88

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	HILLSBOROUGH					
280128082352801	CHANNEL A D. WELL 07 NR TAMPA, FL	28 01 28	082 35 28	01	84-05-16 84-09-12	7.53 8.79
280129082314701	CITY OF TAMPA D. WELL AT TAMPA,FL	28 01 29	082 31 47	01	84-05-14 84-09-10	15.39 17.10
280142082210901	TAMPA BYPASS DP WELL 603 NR TEMPLE TERRACE,FL.	28 01 42	082 21 09	01	83-10-06 84-05-15 84-09-14	18.35 16.88 21.95
280217082343201	CHANNEL A S. WELL 14 NR TAMPA, FL	28 02 17	082 34 32	01	84-05-16	1.00
280237082235601	SERENA DEEP #538	28 02 37	082 23 56	01	84-05-15 84-09-11	20.22 21.34
280253082164001	WELL 802216534001	28 02 53	082 16 40	01	84-05-15 84-09-11	25.57 29.12
280253082164002	WELL 802216534002	28 02 53	082 16 40	02	84-05-15 84-09-11	35.95 38.79
280314082345902	ST PETE S. WELL E-104 NR CITRUS PK	28 03 14	082 34 59	02	84-05-16 84-09-10	20.68 22.10
280350082104401	FISHER D. WELL NR PLANT CITY	28 03 50	082 10 44	01	84-05-15 84-09-11	80.99 84.65
280354082335501	WELL 803 233 5455	28 03 54	082 33 55	01	84-05-14 84-09-10	19.91 23.14
280408082223701	WELL 804 222 0837	28 04 08	082 22 37	01	84-05-15 84-09-11	22.19 22.26
280409082160401	KELSO RD S. WELL 519 NR THONOTOSASSA,FL	28 04 09	082 16 04	01	84-05-15 84-09-11	35.17 36.26
280413082061401	QUAGLIANI D. WELL NR PLANT CITY	28 04 13	082 06 14	01	84-05-15 84-09-11	90.58 93.14
280420082285501	USGS D. WELL 402 NR LUTZ	28 04 20	082 28 55	01	84-05-14 84-09-10	34.93 37.27
280432082170901	THONOTOSASSA 2 D. WELL 518 AT THONOTOSASSA,FL	28 04 32	082 17 09	01	84-05-15 84-09-11	27.14 36.89
280438082075301	MARTIN M GRIFFIN RD	28 04 38	082 07 53	01	84-05-15 84-09-11	94.77 97.19
280504082292301	USGS D. WELL 408 NR LUTZ	28 05 04	082 29 23	01	84-05-14 84-09-10	36.48 39.09
280504082365502	WELL 805 236 0455	28 05 04	082 36 55	02	84-05-14 84-09-10	24.98 27.01
280508082195701	NATURES CLASSROOM DP WELL 514 NR TEMPLE TERRACE	28 05 08	082 19 57	01	84-05-15 84-09-11	25.96 25.80
280530082311501	USGS S. WELL 464 NR LUTZ	28 05 30	082 31 15	01	84-05-14 84-09-10	46.55 47.29
280548082354801	COSME D WELL 1B NR CITRUS PARK	28 05 48	082 35 48	01	84-05-14 84-09-10	21.16 25.38
280550082202902	MORRIS BRIDGE SH WELL 10 NR BRANCHTON	28 05 50	082 20 29	02	84-05-14 84-09-10	24.47 27.80
280550082355001	COSME D WELL 1C NR CITRUS PARK	28 05 50	082 35 50	01	84-05-14 84-09-10	21.29 26.27
280552082350201	COSME D WELL 17 NR CITRUS PARK	28 05 52	082 35 02	01	84-05-14 84-09-10	20.77 27.74
280553082354201	COSME D WELL 2 NR CITRUS PARK	28 05 53	082 35 42	01	84-05-14	22.44
280555082335001	WELL 805 233 5550	28 05 55	082 33 50	01	84-05-14 84-09-10	23.06 27.87
280557082342601	WELL 8052345726	28 05 57	082 34 26	01	84-05-14 84-09-10	44.71 45.68
280559082353601	E. LAKE WF D. WELL 9 NR OLDSMAR, FL	28 05 59	082 35 36	01	84-05-14 84-09-10	39.08 39.78
280603082350101	COSME D WELL 16 NR CITRUS PARK	28 06 03	082 35 01	01	84-05-14	20.18
280603082385402	ST PETE E-103 SHALLOW	28 06 03	082 38 54	02	84-05-14 84-09-11	17.97 20.19

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	HILLSBOROUGH					
280607082352801	COSME D WELL 3A NR CITRUS PARK	28 06 07	082 35 28	01	84-09-10	26.16
280607082353001	ST PETE COSME WELL 3 NR CITRUS PARK, FLA	28 06 07	082 35 30	01	84-05-14 84-09-10	20.92 25.79
280609082352901	COSME DEEP WELL 324 NEAR CITRUS PARK, FLA.	28 06 09	082 35 29	01	84-05-14 84-09-10	20.72 25.35
280610082210701	MORRIS BRIDGE DP WELL 161 NR BRANCHTON	28 06 10	082 21 07	01	84-05-14 84-09-10	23.08 26.24
280610082345301	WELL 806 234 1053	28 06 10	082 34 53	01	84-05-14 84-09-10	43.94 45.40
280612082200801	MORRIS BRIDGE DP WELL 8 NR BRANCHTON	28 06 12	082 20 08	01	84-05-14 84-09-10	23.62 25.72
280612082345101	WELL 806 234 1251	28 06 12	082 34 51	01	84-05-14 84-09-10	22.01 26.54
280612082352801	COSME D WELL 20 NR CITRUS PARK	28 06 12	082 35 28	01	84-05-14 84-09-10	20.40 26.70
280612082352802	COSME S WELL 20A NR CITRUS PARK	28 06 12	082 35 28	02	84-05-14 84-09-10	39.75 41.96
280615082195201	MORRIS BRIDGE DP WELL 163 NR BRANCHTON	28 06 15	082 19 52	01	84-05-14	23.31
280617082232701	USGS S. WELL 511 NR TEMPLE TERRACE	28 06 17	082 23 27	01	84-05-15 84-09-11	31.67 32.60
280618082351301	COSME D WELL 5 NR CITRUS PARK	28 06 18	082 35 13	01	84-05-14 84-09-10	19.63 26.19
280618082351302	COSME WF S. WELL 5 NR CITRUS PARK	28 06 18	082 35 13	02	84-05-14 84-09-10	39.54 40.79
280621082254801	USGS S.WELL 510 NR TEMPLE TERRACE	28 06 21	082 25 48	01	84-05-15 84-09-11	43.35 42.56
280622082353501	COSME D WELL 21 NR CITURS PARK	28 06 22	082 35 35	01	84-09-10	27.60
280624082335301	WELL 806 233 2453	28 06 24	082 33 53	01	84-05-14 84-09-10	43.29 43.76
280626082200801	MORRIS BRIDGE DP WELL 162 NR BRANCHTON	28 06 26	082 20 08	01	84-09-10	24.91
280626082200802	MORRIS BRIDGE S.WELL 162 NR BRANGHTON,FLA	28 06 26	082 20 08	02	84-05-14 84-09-10	28.75 29.32
280628082205901	MORRIS BRIDGE DP WELL 160 NR BRANCHTON	28 06 28	082 20 59	01	84-09-10	25.67
280628082205902	MORRIS BRIDGE S.WELL 160 NR BRANGHTON,FLA	28 06 28	082 20 59	02	84-05-14	30.01
280628082350401	COSME D WELL 6 NR CITRUS PARK	28 06 28	082 35 04	01	84-05-14 84-09-10	12.87 23.90
280628082350402	COSME WF S. WELL 6 NR CITRUS PK	28 06 28	082 35 04	02	84-05-14 84-09-10	39.00 40.54
280629082193101	MORRIS BRIDGE DP WELL 164 NR BRANCHTON	28 06 29	082 19 31	01	84-05-14 84-09-10	22.45 23.74
280629082193102	MORRIS BRIDGE S.WELL 164 NR BRANGHTON,FLA	28 06 29	082 19 31	02	84-05-14 84-09-10	26.84 27.44
280630082350601	COSME D WELL 6A NR CITRUS PARK	28 06 30	082 35 06	01	84-09-10	26.39
280631082193801	MORRIS BRIDGE DP WELL 7 NR BRANCHTON	28 06 31	082 19 38	01	84-05-14 84-09-10	23.94 25.42
280631082203301	MORRIS BRIDGE DP WELL 5 NR BRANCHTOM	28 06 31	082 20 33	01	84-05-14 84-09-10	22.60 26.10
280632082301001	USGS S. WELL 422 NR LUTZ	28 06 32	082 30 10	01	84-05-14	52.03
280634082303401	WELL 806 230 3434	28 06 34	082 30 34	01	84-05-14 84-09-10	49.42 49.52
280635082301001	USGS S. WELL 423 NR LUTZ	28 06 35	082 30 10	01	84-05-14 84-09-10	50.58 49.94
280637082300801	WEL 806 230 3708	28 06 37	082 30 08	01	84-05-14 84-09-10	50.36 50.76
280641082345401	ST PETE COSME D. WELL 7A NR CITRUS PK, FL	28 06 41	082 34 54	01	84-09-10	25.38

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HILLSBOROUGH					
280641082345402	ST PETE COSME D. WELL 07 NR CITRUS PK, FL	28 06 41	082 34 54	02	84-05-14	15.73
					84-09-10	24.87
280642082195801	MORRIS BRIDGE DP WELL 3B NR BRANCHTON (WQ-01)	28 06 42	082 19 58	01	84-05-14	23.94
					84-09-10	25.75
280643082192401	MORRIS BRIDGE DP WELL 165 NR BRANCHTON	28 06 43	082 19 24	01	84-05-14	23.23
280643082192402	MORRIS BRIDGE S.WELL 165 NR BRANGHTON,FLA	28 06 43	082 19 24	02	84-05-14	27.01
					84-09-10	27.75
280643082301001	USGS S. WELL 425 NR LUTZ	28 06 43	082 30 10	01	84-05-14	50.50
					84-09-10	49.95
280643082353101	CRAWLEY S. WELL 321 NR CITRUS PK	28 06 43	082 35 31	01	84-05-14	42.15
					84-09-10	43.73
280646082285901	USGS D. WELL 429 NR LUTZ	28 06 46	082 28 59	01	84-05-15	48.62
					84-09-10	46.78
280646082285902	USGS S. WELL 429 NR LUTZ	28 06 46	082 28 59	02	84-05-15	48.59
					84-09-10	46.67
280647082181701	MORRIS BRIDGE DP WELL 167 NR BRANCHTON	28 06 47	082 18 17	01	84-05-14	24.20
280647082181702	MORRIS BRIDGE S.WELL 167 NR BRANGHTON,FLA	28 06 47	082 18 17	02	84-05-14	27.55
					84-09-10	28.83
280647082354301	CRAWLEY RD S. WELL 317 NR CITRUS PK	28 06 47	082 35 43	01	84-05-14	40.92
					84-09-10	42.65
280648082301101	SEC 21 D WELL 10 NR LUTZ	28 06 48	082 30 11	01	84-05-14	34.06
280648082301102	SEC 21 S WELL 10 NR LUTZ	28 06 48	082 30 11	02	84-05-14	51.24
					84-09-10	50.47
280648082301602	USGS S. WELL 433 NR LUTZ	28 06 48	082 30 16	02	84-05-14	51.00
					84-09-10	48.94
280648082302002	USGS S. WELL 431 NR LUTZ	28 06 48	082 30 20	02	84-09-10	49.21
280648082302601	USGS D. WELL 433 NR LUTZ	28 06 48	082 30 26	01	84-05-14	37.07
					84-09-10	36.44
280649082191401	MORRIS BRIDGE DP WELL 4 NR BRANCHTON	28 06 57	082 19 26	01	84-05-14	23.94
					84-09-10	25.25
280650082301401	USGS D. WELL 466 NR LUTZ	28 06 50	082 30 14	01	84-05-14	41.58
					84-09-10	40.68
280650082301402	USGS S. WELL 466 NR LUTZ	28 06 50	082 30 14	02	84-05-14	51.95
					84-09-10	50.72
280651082202501	MORRIS BRIDGE DP WELL 2A NR BRANCHTON	28 06 51	082 20 25	01	84-05-14	25.13
					84-09-10	28.12
280651082204301	MORRIS BR WF D. WELL 1 NR BRANCHTON,FL	28 06 51	082 20 43	01	84-05-14	22.20
					84-09-10	26.91
280651082352002	MOBLEY RD S. WELL 318 NR CITRUS PK	28 06 51	082 35 20	02	84-05-14	40.70
					84-09-10	42.21
280651082382201	USGS S. WELL 117 NR CITRUS PK	28 06 51	082 38 22	01	84-05-14	24.57
					84-09-10	26.54
280652082185901	MORRIS BRIDGE DP WELL 166 NR BRANCHTON	28 06 52	082 18 59	01	84-09-10	25.06
280652082185902	MORRIS BRIDGE S.WELL 166 NR BRANGHTON,FLA	28 06 52	082 18 59	02	84-05-14	27.50
					84-09-10	26.65
280655082175801	MORRIS BRIDGE DP WELL 509 NR BRANCHTON	28 06 55	082 17 58	01	84-09-11	27.18
280655082183501	MORRIS BRIDGE DP WELL 168 NR BRANCHTON	28 06 55	082 18 35	01	84-09-10	26.24
280655082183502	MORRIS BRIDGE S.WELL 168 NR BRANGHTON,FLA	28 06 55	082 18 35	02	84-05-14	31.85
					84-09-10	32.97
280656082305801	SEC21 D WELL 1 NR LUTZ	28 06 56	082 30 58	01	84-05-14	33.54
					84-09-10	35.87
280656082362401	WELL 806 236 5624	28 06 56	082 36 24	01	84-05-14	32.81
					84-09-10	34.10
280657082305801	SEC 21 D WELL 3 NR LUTZ	28 06 57	082 30 58	01	84-05-14	33.57
					84-09-10	35.07

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HILLSBOROUGH					
280659082205101	MORRIS BRIDGE DP WELL 159 NR BRANCHTON	28 06 59	082 20 51	01	84-09-10	30.07
280659082205102	MORRIS BRIDGE S.WELL 159 NR BRANGHTON,FLA	28 06 59	082 20 51	02	84-05-14 84-09-10	32.08 35.60
280659082280201	USGS S. WELL 437 NR LUTZ	28 06 59	082 28 02	01	84-05-15 84-09-10	54.83 54.23
280659082294303	BERGER S. WELL 2 NR CITRUS PARK, FLA	28 06 59	082 29 43	03	84-05-15 84-09-10	50.29 49.18
280702082302802	HILLSBOROUGH S. WELL 13 NR CITRUS PK, FLA	28 07 02	082 30 28	02	84-05-14 84-09-10	50.01 47.80
280703082333701	WELL 807233033701	28 07 03	082 33 37	01	84-09-10	38.89
280703082333702	WELL 807233033702	28 07 03	082 33 37	02	84-05-14 84-09-10	47.20 47.90
280705082202301	MORRIS BRIDGE DP WELL 153 NR BRANCHTON	28 07 05	082 20 23	01	84-05-14 84-09-10	23.70 24.17
280708082191101	TAMPA WF S. WELL 507 NR BRANCHTON,FL	28 07 08	082 19 11	01	84-05-14 84-09-10	22.43 22.34
280708082305801	SEC 21 D WELL 2 NR LUTZ	28 07 08	082 30 58	01	84-09-10	35.88
280710082325602	TOBACCO RD S. WELL 445 NR CITRUS PK	28 07 10	082 32 56	02	84-05-14	48.23
280710082341401	COSME D WWELL 12 NR CITRUS PARK	28 07 10	082 34 14	01	84-05-14 84-09-10	16.20 29.87
280711082181902	MORRIS BRIDGE S.WELL 169 NR BRANGHTON,FLA	28 07 11	082 18 19	02	84-05-14 84-09-10	32.80 34.04
280712082341502	COSME S WELL 12A NR CITRUS PARK	28 07 12	082 34 15	02	84-05-14 84-09-10	47.96 48.87
280715082295401	SEC 21 THOMPSON WELL NR LUTZ	28 07 15	082 29 54	01	84-05-15 84-09-10	37.79 37.34
280715082295402	WELL 807229155402	28 07 15	082 29 54	02	84-05-15 84-09-10	52.10 51.91
280716082340302	WELL 807234160302	28 07 16	082 34 03	02	84-05-14 84-09-10	47.06 47.55
280717082301001	SEC 21 D WELL 8 NR LUTZ	28 07 17	082 30 10	01	84-05-14	34.51
280717082342101	ST PETE COSME D. WELL 23 NR CITRUS PK, FL	28 07 17	082 34 21	01	84-09-10	27.51
280718082210701	MORRIS BRIDGE DP WELL 150 NR BRANCHTON	28 07 18	082 21 07	01	84-09-10	29.97
280718082210702	MORRIS BRIDGE S.WELL 150 NR BRANGHTON,FLA	28 07 18	082 21 07	02	84-05-14 84-09-10	36.91 38.78
280718082354701	WELL 807235184701	28 07 18	082 35 47	01	84-05-14 84-09-10	39.45 40.49
280718082354702	WELL 807235184702	28 07 18	082 35 47	02	84-09-10	43.45
280721082192401	MORRIS BRIDGE DP WELL 156 NR BRANCHTON	28 07 21	082 19 24	01	84-05-14	26.10
280721082192402	MORRIS BRIDGE WF S. WELL 156 NR BRANCHTON,FL	28 07 21	082 19 24	02	84-05-14 84-09-10	33.59 32.46
280721082344901	WELL 807234214901	28 07 21	082 34 49	01	84-05-14 84-09-10	24.11 28.36
280721082344902	WELL 807234214902	28 07 21	082 34 49	02	84-05-14 84-09-10	42.94 43.57
280723082300301	WELL 8072302303	28 07 23	082 30 03	01	84-05-15	54.45
280727082184601	MORRIS BRIDGE DP WELL 158 NR BRANCHTON	28 07 27	082 18 46	01	84-09-10	28.01
280727082303802	SECTION 21 WF S. WELL 455 NR LUTZ	28 07 27	082 30 38	02	84-05-14 84-09-10	47.10 46.08
280728082202802	MORRIS BRIDGE WF S. WELL 152 NR BRANCHTON,FL	28 07 28	082 20 28	02	84-05-14 84-09-10	37.33 37.21
280728082301103	ST PETE 21-7 S. WELL NR LUTZ	28 07 28	082 30 11	03	84-05-14 84-09-10	52.07 50.96
280732082194401	MORRIS BRIDGE DP WELL 155 NR BRANCHTON	28 07 32	082 19 44	01	84-05-14 84-09-10	26.69 26.76

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	HILLSBOROUGH					
280732082194402	MORRIS BRIDGE WF S. WELL 155 NR BRANCHTON,FL	28 07 32	082 19 44	02	84-05-14 84-09-10	33.96 32.90
280732082305802	ST. PETE S. WELL 26A NR LUTZ, FLA	28 07 32	082 30 58	02	84-05-14 84-09-10	52.64 52.72
280732082342802	COSME WF S. WELL 25 NR CITRUS PARK	28 07 32	082 34 28	02	84-05-14 84-09-10	47.86 48.31
280733082193602	MORRIS BRIDGE WF S. WELL 533 NR BRANCHTON	28 07 33	082 19 36	02	84-05-14 84-09-10	31.44 30.03
280733082210301	MORRIS BRIDGE DP WELL 151 NR BRANCHTON	28 07 33	082 21 03	01	84-09-10	31.62
280733082210302	MORRIS BRIDGE S.WELL 151 NR BRANCHTON,FLA	28 07 33	082 21 03	02	84-05-14 84-09-10	42.14 43.60
280734082313301	SEC 21 GOODWIN WELL NR LUTZ	28 07 34	082 31 33	01	84-05-14 84-09-10	34.18 36.46
280736082190902	MORRIS BRIDGE S.WELL 157 NR BRANCHTON,FLA	28 07 36	082 19 09	02	84-05-14 84-09-10	35.99 35.78
280737082184101	MORRIS BRIDGE WF D. WELL 9 NR BRANCHTON	28 07 37	082 18 15	01	84-05-14 84-09-11	31.62 31.51
280738082282701	BRANT LAKE D. WELL 472 NR LUTZ	28 07 38	082 28 27	01	84-05-15 84-09-10	51.47 52.10
280738082302701	SECTION 21 WF S. WELL 21 5A NR LUTZ	28 07 38	082 30 27	01	84-05-14 84-09-10	51.77 51.20
280738082303201	SEC 21 D WELL 5 NR LUTZ	28 07 38	082 30 32	01	84-05-14 84-09-10	35.24 35.91
280738082303301	SEC 21 S WELL 5B NR LUTZ	28 07 38	082 30 33	01	84-05-14 84-09-10	51.63 50.95
280738082304701	SEC 21 D WELL 4 NR LUTZ	28 07 38	082 30 47	01	84-05-14 84-09-10	34.57 36.21
280738082304702	SEC 21 S WELL 4A NR LUTZ	28 07 38	082 30 47	02	84-05-14 84-09-10	51.06 50.71
280740082301201	SECTION 21 WF D. WELL 468 NR LUTZ	28 07 40	082 30 12	01	84-05-14 84-09-10	37.32 37.85
280740082301202	SECTION 21 WF S. WELL 468 NR LUTZ	28 07 40	082 30 12	02	84-05-14 84-09-10	54.84 53.63
280744082342702	COSME WF S. WELL 313 NR CITRUS PARK	28 07 44	082 34 27	02	84-05-14 84-09-10	52.32 52.73
280812082345301	-MAGYORASY	28 08 12	082 34 53	01	84-05-14 84-09-10	26.83 30.88
280813082343001	COSME D WELL 30 NR CITRUS PARK	28 08 13	082 34 30	01	84-09-10	30.96
280820082343101	COSME D WELL 31 NR CITRUS PARK	28 08 20	082 34 31	01	84-05-14 84-09-10	26.12 31.19
280820082343102	WELL 808234203102	28 08 20	082 34 31	02	84-05-14 84-09-10	57.82 58.99
280827082343301	COSME D WELL 32 NR CITRUS PARK	28 08 27	082 34 33	01	84-05-14 84-09-10	27.06 31.52
280831082365101	TARPON RD D. WELL 340 NR CITRUS PK	28 08 31	082 36 51	01	84-09-10	27.47
280831082365801	TARPON RD S. WELL 336 NR CITRUS PK	28 08 31	082 36 58	01	84-05-14 84-09-10	37.32 38.49
280833082343601	ST.PETERSBURG WELL 33A NEAR ODESSA,FL.	28 08 33	082 34 36	01	84-05-14 84-09-10	26.65 31.63
280839082385001	ELDR. WILDE S. WELL 422 NR TARPON [illegible], FLA	28 08 39	082 38 50	01	84-05-14 84-09-10	25.49 25.87
280840082343801	COSME D WELL 34 NR CITRUS PARK	28 08 40	082 34 38	01	84-09-10	34.81
280840082343802	ST. PETE S. WELL 34 NR CITRUS PARK, FLA	28 08 40	082 34 38	02	84-05-14 84-09-10	[illegible] 55.68
280848082385101	ELDRIDGE-WILDE WELL 45 NR TARPON SPRINGS, FLA	28 08 48	082 38 51	01	84-09-10	7.32

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
	HILLSBOROUGH					
280901082310404	DUNDEE BM WELL NEAR LUTZ, FLA	28 09 01	082 31 04	04	84-05-14	41.63
					84-09-10	44.16
280915082382801	ELDR. WILDE S. WELL 024 NR TARPON SGS, FLA	28 09 15	082 38 28	01	84-05-14	30.86
					84-09-10	31.09
280917082210801	USGS S. WELL 504 AT PEBBLE CREEK	28 09 17	082 21 08	01	84-05-15	48.70
					84-09-11	49.06
280920082322102	LUTZ-LK FERN S. WELL NR LUTZ, FLA	28 09 20	082 32 21	02	84-05-14	55.91
					84-09-10	56.62
280925082324601	LUTZ LK FERN S. WELL 216 NR CITRUS PK	28 09 25	082 32 46	01	84-05-14	54.84
					84-09-10	55.74
280926082162101	MORRIS BRIDGE DP WELL 532 NR BRANCHTON	28 09 26	082 16 21	01	84-05-15	44.78
					84-09-11	45.84
280926082162102	MORRIS BRIDGE SH WELL 532 NR BRANCHTON	28 09 26	082 16 21	02	84-05-15	45.20
					84-09-11	46.30
281002082254101	USGS S.WELL 503 NR ZEPHYRHILLS,FLA	28 10 02	082 25 41	01	84-05-15	68.49
					84-09-11	69.09
281012082305701	WELL 810 230 1257	28 10 12	082 30 57	01	84-05-14	56.93
					84-09-10	57.83
281017082380903	ELDR WILDE S. WELL 142 NR TARPON SGS, FLA.	28 10 17	082 38 09	03	84-05-14	34.19
					84-09-10	34.68
281059082333901	WELL810 233 5939	28 10 59	082 33 39	01	84-05-14	46.77
					84-09-10	48.07
281125082365401	WELL 810 236 2554	28 11 25	082 36 54	01	84-05-14	36.30
					84-09-10	38.25

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
274030082285201 - SW HILLS CO 18 NR RUSKIN (LAT 27 40 30 LONG 082 28 52)								
MAY , 1984								
17...	1620	800	780	6.7	--	26.0	240	25
274114082303701 - CLAPROD WELL NR RUSKIN, FLA (LAT 27 41 14 LONG 082 30 37)								
NOV , 1983								
09...	1115	1180	1180	--	--	25.5	--	41
JAN , 1984								
11...	1450	1090	1150	--	--	25.0	--	45
MAR								
02...	1130	1100	1140	--	--	26.0	--	48
MAY								
23...	1530	1000	1010	--	--	23.5	--	36
JUN								
26...	1400	1100	1180	--	--	26.0	--	--
SEP								
06...	1345	1060	1070	--	--	26.0	--	42
274221082282401 - SW HILLS CO 54 NR RUSKIN (LAT 27 42 21 LONG 082 28 24)								
MAY , 1984								
17...	1651	1110	1060	6.8	--	25.5	440	36
274252082232401 - RUSKIN #10(SW HILLS CO 67) NR RUSKIN (LAT 27 42 52 LONG 082 23 24)								
MAY , 1984								
17...	1432	800	790	7.3	--	26.5	250	18
274322082202601 - SUN CITY #5(SW HILLS CO 79) NR WIMAUMA (LAT 27 43 22 LONG 082 20 26)								
MAY , 1984								
17...	1409	610	595	6.9	--	25.5	160	12
274406082240701 - SW HILLS CO 90 AT RUSKIN (LAT 27 44 06 LONG 082 24 07)								
MAY , 1984								
17...	1516	775	760	6.9	--	25.5	220	25
274421082275401 - ROMP TRANSECT D.WELL NR RUSKIN, FLA (LAT 27 44 21 LONG 082 27 54)								
NOV , 1983								
09...	0959	1040	1000	--	--	24.0	390	17
JAN , 1984								
16...	1100	1030	1000	--	--	24.0	380	39
MAR								
02...	1100	1000	1000	--	--	24.0	390	39
MAY								
23...	1600	990	980	--	--	27.0	360	26
JUN								
26...	1430	1000	1020	--	--	26.0	400	25
SEP								
06...	1330	990	1030	--	--	25.0	390	30

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

274428082251501 - ROMP 9-3 TRANSECT SHALLOW WELL NEAR RUSKIN, FL. (LAT 27 44 28 LONG 082 25 15)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
DEC , 1983								
06...	1016	925	950	--	--	25.0	150	62
MAR , 1984								
02...	1030	975	980	--	--	20.0	140	50
MAY								
18...	1052	990	940	--	--	23.5	--	55
JUN								
26...	1508	--	940	--	--	28.0	140	49
SEP								
06...	1145	980	969	--	--	26.0	130	59

274543082234001 - SW HILLS CO WELL 118 NR RUSKIN (LAT 27 45 43 LONG 082 23 40)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984								
18...	1030	1030	1010	6.8	--	25.5	--	64

274904082194701 - RIVERVIEW #6(SW HILLS CO 207) NR RIVERVIEW (LAT 27 49 04 LONG 082 19 47)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984								
17...	1240	655	610	7.1	--	26.5	150	18

274915082190402 - SW HILLS CO 213 NR RIVERVIEW (LAT 27 49 15 LONG 082 19 04)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984								
17...	1300	580	580	7.6	--	27.0	100	17

274959082210801 - SW HILLS CO 229 NR RIVERVIEW (LAT 27 49 59 LONG 082 21 08)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984								
17...	1335	630	610	7.6	--	26.0	--	12

275223082195001 - E. BRADBURN AT RIVERVIEW (LAT 27 52 23 LONG 082 19 50)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984								
17...	1220	530	515	6.8	--	25.0	--	53

275402082222701 - ROMP TR10-2 DEEP WELL NR TAMPA FL (LAT 27 54 02 LONG 082 22 27)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983								
07...	1309	672	--	--	--	25.5	--	--
NOV								
04...	1143	780	718	--	--	25.5	49	160
JAN , 1984								
05...	1522	770	760	--	--	23.0	--	170
12...	1025	750	800	--	--	21.5	44	180
FEB								
29...	1530	805	820	--	--	21.5	42	170
MAY								
04...	1215	810	830	--	--	22.5	43	180
08...	0939	810	--	--	--	22.5	--	--
JUL								
30...	1500	930	870	--	--	25.5	40	180
SEP								
21...	1050	861	875	--	--	26.0	40	180

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
275402082222702 - ROMP TR 10-2 SHALLOW WELL NEAR TAMPA, FL (LAT 27 54 02 LONG 082 22 27)								
OCT , 1983								
07...	1319	1340	1360	--	--	27.0	510	--
NOV								
04...	1150	1480	1300	--	--	21.5	450	37
JAN , 1984								
05...	1530	1420	--	--	--	19.0	--	E39
12...	1015	1400	1440	--	--	17.0	470	37
FEB								
29...	1506	1420	1360	--	--	16.5	460	37
MAY								
04...	1155	1460	1300	--	--	25.0	460	39
JUL								
30...	1445	1620	1490	--	--	27.5	560	40
SEP								
21...	1048	1530	1550	--	--	26.0	--	38
275417082190901 - PURITY DAIRY 2 NR RIVERVIEW (LAT 27 54 17 LONG 082 19 09)								
MAY , 1984								
17...	1014	575	570	6.3	--	23.5	--	47
275427082221001 - TOWER DAIRY 1 NR RIVERVIEW (LAT 27 54 27 LONG 082 22 10)								
MAY , 1984								
17...	1131	1240	1180	6.6	--	24.5	31	220
275443082224001 - JAMES BYRD NR RIVERVIEW (LAT 27 54 43 LONG 082 22 40)								
MAY , 1984								
17...	1114	1000	970	6.7	--	23.5	--	120
275509082240501 - FLA PETROL TANK SERVICE NR RIVERVIEW (LAT 27 55 09 LONG 082 24 05)								
MAY , 1984								
18...	0906	1650	1570	6.9	--	22.0	--	310
275528082233701 - KELLY NR RIVERVIEW (LAT 27 55 28 LONG 082 23 37)								
MAY , 1984								
17...	1150	720	700	6.8	--	25.5	--	58
275547082211701 - JOE SUAREZ 2 NR RIVERVIEW (LAT 27 55 47 LONG 082 21 17)								
MAY , 1984								
17...	1044	720	710	6.6	--	24.5	60	92
275548082181201 - AMERICAN DAIRY #1 NR VALRICO (LAT 27 55 48 LONG 082 18 12)								
MAY , 1984								
18...	1153	310	307	6.8	--	20.5	27	15
275611082211101 - SEABOARD UTILITIES #7 NR RIVERVIEW (LAT 27 56 11 LONG 082 21 11)								
MAY , 1984								
18...	0827	750	740	6.9	--	21.5	--	89
275611082211701 - SEABOARD UTILITIES #8 NR RIVERVIEW (LAT 27 56 11 LONG 082 21 17)								
MAY , 1984								
18...	0838	530	525	7.1	--	21.0	27	44

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
275611082213801 - SEABOARD UTILITIES #2 NR RIVERVIEW (LAT 27 56 11 LONG 082 21 38)								
MAY , 1984 18...	0800	845	825	6.8	--	21.5	--	130
275638082163101 - BRANDON RAINBOW 1 (LAT 27 56 38 LONG 082 16 31)								
NOV , 1983 02...	0800	345	--	7.6	--	24.5	--	--
275647082232201 - PALM RIVER WELL 6 AT TAMPA,FLA (LAT 27 56 47 LONG 082 23 22)								
MAY , 1984 22...	1300	--	2120	--	--	25.0	--	480
SEP 11...	1530	2020	2160	--	--	28.0	--	480
275657082201001 - GADD CONCRETE NR VALRICO (LAT 27 56 57 LONG 082 20 10)								
MAY , 1984 17...	0753	450	461	7.2	--	23.5	3.9	18
275705082222001 - ROMP TR 11-2 WELL NR TAMPA, FL (LAT 27 57 05 LONG 082 22 20)								
OCT , 1983 07...	1107	1180	1200	--	--	27.0	130	200
NOV 04...	1019	1240	1160	--	--	24.0	140	200
JAN , 1984 06...	1320	1160	1150	--	--	23.5	--	200
12...	0925	1160	1130	--	--	24.0	140	200
FEB 29...	1400	1200	1180	--	--	20.0	140	200
MAY 04...	1110	--	1160	--	--	29.0	130	200
JUL 30...	1533	1230	1170	--	--	27.0	140	200
275724082221001 - STRUCTURE S-160 WELL NR TAMPA, FL. (WQ-03) (LAT 27 57 24 LONG 082 22 10)								
OCT , 1983 07...	1149	725	730	--	--	25.0	--	96
NOV 08...	1000	770	740	--	--	23.0	--	94
DEC 09...	1030	780	759	--	--	25.0	--	96
JAN , 1984 06...	1206	725	740	--	--	21.5	--	97
FEB 06...	1039	725	750	--	--	25.5	--	97
29...	0750	740	720	--	--	19.5	--	97
APR 17...	1315	740	720	--	--	20.5	--	97
MAY 04...	1000	760	740	--	--	24.0	--	93
22...	1132	715	--	--	--	24.0	--	--
JUN 27...	1610	790	--	--	--	25.0	--	--
AUG 14...	1210	--	731	--	--	24.5	--	97
SEP 17...	1310	750	760	--	--	24.5	--	97

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
275817082325001 - ROMP TR 12-1 DEEP WELL NEAR TAMPA, FL (LAT 27 58 17 LONG 082 32 50)								
OCT , 1983								
03...	0735	3400	3300	--	--	24.0	120	910
DEC								
05...	0745	3500	3350	--	--	--	120	920
FEB , 1984								
14...	1405	3400	3250	--	--	25.0	--	890
MAR								
26...	0850	3300	3300	--	--	23.0	--	890
MAY								
09...	1455	3400	3300	--	--	25.0	120	910
JUN								
12...	1320	3550	3350	--	--	24.0	--	910
AUG								
08...	1105	3400	3410	--	--	25.0	--	900
280034082362401 - CHANNEL A D. WELL 38 NR TAMPA, FL (LAT 28 00 34 LONG 082 36 24)								
MAY , 1984								
16...	0954	1760	1750	--	--	25.0	--	440
SEP								
12...	0955	1800	1770	--	--	24.0	--	430
280038082340201 - CHANNEL G BM DEEP WELL NEAR TAMPA,FL. (LAT 28 00 38 LONG 082 34 02)								
OCT , 1983								
03...	0845	4150	4170	--	--	24.0	--	1200
DEC								
05...	0842	4300	4300	--	--	25.0	240	1200
FEB , 1984								
14...	1305	4600	4400	--	--	24.0	--	1200
MAR								
27...	1445	4800	4500	--	--	24.0	--	1200
MAY								
09...	1420	4800	4450	--	--	24.5	260	1300
JUN								
11...	1505	4650	4370	--	--	24.5	--	1200
AUG								
14...	1102	4100	4440	--	--	25.0	--	1200
280053082341801 - BRACKETT NR TAMPA (LAT 28 00 53 LONG 082 34 18)								
JAN , 1984								
11...	1010	560	520	--	--	16.5	--	53
280053082350202 - SHELDON RD D. WELL NR CITRUS PARK, FLA (LAT 28 00 53 LONG 082 35 02)								
OCT , 1983								
03...	0910	7800	7280	--	--	25.5	--	2400
DEC								
09...	0810	7400	7700	--	--	25.0	--	2300
FEB , 1984								
14...	1051	7400	7700	--	--	26.0	--	2300
MAR								
29...	1250	7500	7600	--	--	26.0	--	2200
JUN								
12...	1030	8000	7800	--	--	26.5	--	2400
AUG								
08...	0940	8100	8110	--	--	24.5	--	2400
280055082203801 - USCE TEST WELL 3S-ES(#607) NR TEMPLE TERRACE,FLA (LAT 28 00 55 LONG 082 20 38)								
SEP , 1984								
13...	1330	383	388	6.9	7.9	23.0	51	10

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
280055082222701 - USCE WELL TBC-09 AT TEMP TERR. FL. (WL-09) (LAT 28 00 55 LONG 082 22 27)								
SEP , 1984 11...	0929	440	447	7.5	7.7	24.0	54	20
280056082362701 - CHANNEL A BM DEEP WELL NEAR TAMPA,FL. (LAT 28 00 56 LONG 082 36 27)								
OCT , 1983 05...	0730	1450	1520	--	--	23.0	--	340
DEC 09...	0850	--	1510	--	--	24.0	85	350
FEB , 1984 14...	1217	1570	1600	--	--	24.0	--	340
MAR 27...	1400	1660	1520	--	--	24.5	--	350
MAY 09...	1153	1520	1650	--	--	24.0	120	380
JUN 12...	0931	1500	1480	--	--	24.0	--	330
AUG 15...	0727	1460	1550	--	--	25.0	--	340
280057082340001 - FERNANDEZ NR TAMPA (LAT 28 00 57 LONG 082 34 00)								
OCT , 1983 26...	1200	455	440	--	--	--	--	26
JAN , 1984 11...	1020	447	445	--	--	16.0	--	28
APR 11...	1110	418	438	--	--	23.0	--	27
JUL 03...	0950	430	437	--	--	27.0	--	25
280058082202201 - EUREKA SPRGS LANDFILL DP WELL NR TT, FL. (WQ-18) (LAT 28 00 58 LONG 082 20 22)								
SEP , 1984 12...	1530	375	379	6.1	7.9	25.0	48	9.0
280058082362303 - CHANNEL A D. WELL 02 NR TAMPA, FL (LAT 28 00 58 LONG 082 36 23)								
MAY , 1984 16...	1012	185	195	--	--	25.5	--	3.0
SEP 12...	0910	175	--	--	--	26.0	--	1.2
280058082362401 - CHANNEL A D. WELL 36 NR TAMPA, FL (LAT 28 00 58 LONG 082 36 24)								
MAY , 1984 16...	1010	--	520	--	--	25.5	--	5.0
SEP 12...	0912	700	695	--	--	25.0	--	41
280058082362402 - CHANNEL A S. WELL 37 NR TAMPA, FL (LAT 28 00 58 LONG 082 36 24)								
MAY , 1984 16...	1008	539	--	--	--	28.0	--	--
SEP 12...	0907	415	398	--	--	28.0	--	4.2

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

280112082270101 - TOURIST CLUB WELL AT SULPHUR SPRINGS, FLA (LAT 28 01 12 LONG 082 27 01)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
JAN , 1984								
24...	0830	15500	15400	--	--	24.5	--	5000
MAR								
05...	0845	15500	16400	--	--	24.5	--	5300
MAY								
08...	1330	15000	14200	--	--	26.0	--	4500
JUN								
27...	0925	14600	14400	--	--	25.0	--	4700

280116082340701 - ERNEST KITCHEN NR TAMPA (LAT 28 01 16 LONG 082 34 07)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT , 1983								
26...	1225	500	475	--	--	--	--	41
JAN , 1984								
11...	1048	483	489	--	--	18.0	--	44
APR								
11...	1130	475	490	--	--	23.0	--	43
JUL								
03...	1000	480	475	--	--	27.0	--	44

280118082340801 - A. PULEO NR TAMPA (LAT 28 01 18 LONG 082 34 08)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT , 1983								
26...	1210	680	660	--	--	25.5	--	88
JAN , 1984								
11...	1040	615	620	--	--	19.5	--	80
APR								
11...	1125	590	610	--	--	23.0	--	75
JUL								
03...	1020	675	680	--	--	25.0	--	93

280128082352801 - CHANNEL A D. WELL 07 NR TAMPA, FL (LAT 28 01 28 LONG 082 35 28)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAY , 1984								
16...	1053	445	445	--	--	25.5	--	21
SEP								
12...	0934	640	632	--	--	25.0	--	30

280129082341801 - HUGH HILL NR TAMPA (LAT 28 01 29 LONG 082 34 18)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT , 1983								
26...	1245	480	475	--	--	--	--	44
JAN , 1984								
11...	1035	495	485	--	--	15.5	--	46
APR								
11...	1117	471	485	--	--	23.0	--	57
JUL								
03...	0940	481	486	--	--	26.5	--	43

280217082343201 - CHANNEL A S. WELL 14 NR TAMPA, FL (LAT 28 02 17 LONG 082 34 32)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAY , 1984								
16...	0841	145	116	--	--	23.5	--	23
SEP								
12...	1033	--	198	--	--	28.5	--	8.0

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

280316082345801 - ST PETERSBURG E-104 D. WELL NR CITRUS PK,FL (LAT 28 03 16 LONG 082 34 58)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 05...	1335	13800	13800	--	--	26.5	1700	4500
DEC 05...	1055	15000	14400	--	--	27.5	--	4300
FEB , 1984 14...	1010	13800	14400	--	--	25.0	1800	4300
MAR 29...	1345	--	14000	--	--	25.5	1800	4100
MAY 09...	1335	16300	14500	--	--	24.0	1900	5000
JUN 12...	1105	15500	16200	--	--	26.5	1900	4900
AUG 07...	1310	13200	14800	--	--	25.0	1800	4500

280354082381901 - ROMP TR 13-3 DEEP WELL NEAR CITRUS PARK, FL (LAT 28 03 54 LONG 082 38 19)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 05...	0810	32000	33100	--	--	--	2000	10000
DEC 09...	0925	31500	34000	--	--	--	--	12000
FEB , 1984 14...	1138	34000	30400	--	--	--	--	12000
MAR 29...	1145	--	34000	--	--	--	--	12000
MAY 30...	0830	39000	34200	--	--	--	--	12000
AUG 07...	1230	--	34300	--	--	--	--	12000

280504082365501 - ST PETE D. WELL E-102 NR CITRUS PARK, FLA (LAT 28 05 04 LONG 082 36 55)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 05...	0845	380	430	--	--	--	--	8.4
DEC 07...	1115	355	400	--	--	24.5	--	9.0
FEB , 1984 09...	1400	400	394	--	--	24.5	--	8.6
MAR 28...	1315	440	397	--	--	24.0	--	8.8
JUN 11...	1427	415	390	--	--	24.5	--	9.4
AUG 01...	1415	442	418	--	--	25.0	--	9.4

280548082355701 - ST PETE D. WELL E-100 NR CITRUS PARK, FLA (LAT 28 05 48 LONG 082 35 57)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 04...	1345	9500	9610	--	--	25.5	--	2100
DEC 07...	1158	--	10000	--	--	--	--	2300
FEB , 1984 07...	1000	8200	9500	--	--	25.0	--	2100
MAR 27...	1303	--	9300	--	--	--	--	2000
JUN 11...	1352	9700	9600	--	--	24.5	--	2100
AUG 07...	1152	10800	10500	--	--	25.0	--	2200

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
280603082385401 - ST.PETERSBURG DEEP WELL 103 NR OLDSMAR,FL (LAT 28 06 03 LONG 082 38 54)								
OCT , 1983 07...	1210	37300	40000	--	--	26.0	3500	15000
DEC 09...	0933	--	41000	--	--	24.5	3500	15000
FEB , 1984 09...	0942	38000	40100	--	--	24.5	3600	15000
APR 06...	0908	40200	38800	--	--	25.0	3700	15000
JUN 08...	1001	40200	41100	--	--	25.5	3600	15000
AUG 10...	0921	39900	42100	--	--	25.0	3500	15000
280605082184101 - MORRIS BRIDGE DP WELL 12 NR BRANCHTON,FL (LAT 28 06 05 LONG 082 18 41)								
NOV , 1983 08...	1200	570	558	--	--	23.0	40	--
JAN , 1984 12...	0918	508	560	--	--	22.5	42	--
MAR 02...	1000	575	560	--	--	22.0	40	13
MAY 03...	1445	520	580	--	--	27.5	41	15
JUN 29...	1420	490	570	--	--	22.0	38	13
AUG 30...	0925	570	573	--	--	23.0	38	13
280652082195101 - MORRIS BRIDGE WF D. WELL 3C NR BRANCHTON (LAT 28 06 52 LONG 082 19 51)								
NOV , 1983 08...	1435	--	2650	--	--	24.0	1600	--
JAN , 1984 18...	1403	2700	2690	--	--	23.0	1600	--
MAR 02...	1401	2790	2790	--	--	23.0	1600	60
MAY 04...	1115	2720	2700	--	--	25.0	1600	72
JUN 29...	1030	--	2700	--	--	23.0	1600	62
AUG 30...	1400	2760	2730	--	--	23.5	1600	61
280659082175201 - MORRIS BRIDGE DP WELL 13 NR BRANCHTON (LAT 28 06 55 LONG 082 17 52)								
FEB , 1984 09...	1508	472	490	--	7.5	23.5	5.9	10
MAR 05...	1145	490	470	--	--	23.0	4.4	9.0
MAY 04...	1435	495	470	--	--	27.0	2.4	15
JUN 29...	1330	480	480	--	--	24.0	2.4	10
AUG 30...	1015	478	489	--	--	23.5	.8	9.0
280728082301101 - ST PETE DP WELL 21-7 NEAR LUTZ, FLA (LAT 28 07 28 LONG 082 30 11)								
OCT , 1983 04...	1015	2800	2930	--	--	25.0	--	22
DEC 06...	0945	--	2960	--	--	25.0	--	26
FEB , 1984 07...	1308	2900	2980	--	--	25.0	--	25
MAR 27...	0935	2900	2850	--	--	25.5	--	21
JUN 11...	0952	2990	2980	--	--	25.5	--	25
AUG 02...	1040	3100	2990	--	--	26.0	--	21

AVAILABLE

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

HILLSBOROUGH COUNTY--Continued

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
275647082232201 - PALM RIVER WELL 6 AT TAMPA,FLA (LAT 27 56 47 LONG 082 23 22)												
MAY , 1984 22...	1300	--	--	--	--	--	--	--	1370	--	--	--
SEP 11...	1530	--	--	--	--	--	--	--	1370	--	--	--
280055082203601 - USCE TEST WELL 3S-ES(#607) NR TEMPLE TERRACE,FLA (LAT 28 00 55 LONG 082 20 38)												
SEP , 1984 13...	1330	5	69	6.6	5.8	.50	.20	12	247	<.010	.04	.020
280055082222701 - USCE WELL TBC-09 AT TEMP TERR, FL. (WL-09) (LAT 28 00 55 LONG 082 22 27)												
SEP , 1984 11...	0929	5	74	8.6	11	.80	.30	13	293	<.010	<.02	.080
280058082202201 - EUREKA SPRGS LANDFILL DP WELL NR TT, FL. (WQ-18) (LAT 28 00 58 LONG 082 20 22)												
SEP , 1984 12...	1530	5	67	6.4	5.5	.50	.20	12	249	<.010	<.02	.020

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
275638082163101 - BRANDON RAINBOW 1 (LAT 27 56 38 LONG 082 16 31)											
NOV , 1983 02...	--	--	--	1	<10	--	<1	--	<.1	--	--
280055082203801 - USCE TEST WELL 3S-ES(#607) NR TEMPLE TERRACE,FLA (LAT 28 00 55 LONG 082 20 38)											
SEP , 1984 13...	.08	.050	.040	1	<1	250	7	<10	.3	7	980
280055082222701 - USCE WELL TBC-09 AT TEMP TERR, FL. (WL-09) (LAT 28 00 55 LONG 082 22 27)											
SEP , 1984 11...	.08	.080	.040	<1	<1	950	1	20	<.1	3	1300
280058082202201 - EUREKA SPRGS LANDFILL DP WELL NR TT, FL. (WQ-18) (LAT 28 00 58 LONG 082 20 22)											
SEP , 1984 12...	.06	.060	.040	1	<1	300	10	<10	<.1	<1	980

DATE	CHLOR-DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	LINDANE TOTAL (UG/L) (39340)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
275638082163101 - BRANDON RAINBOW 1 (LAT 27 56 38 LONG 082 16 31)											
NOV , 1983 02...	<.1	<.010	<.010	<.010	<.010	<.010	<.010	<1	<.01	<.01	<.01

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 10

LAKE COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	282245081492601	157
1	282245081492602	157
2	282717081553101	158

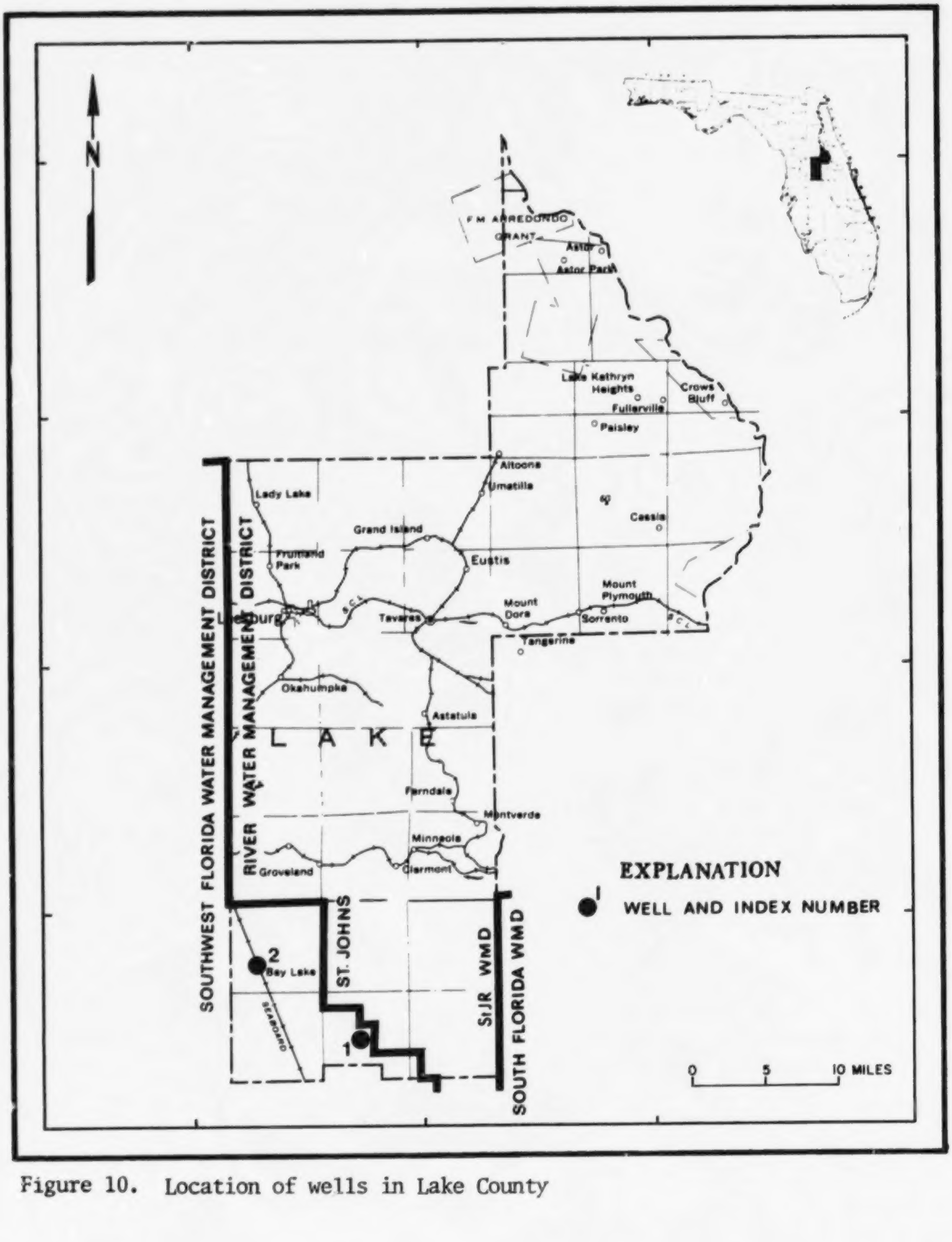
N
F M ARREDONDO GRANT
Astor
Astor Park
Lake Kathryn Heights
Fullerville
Crows Bluff
Paisley
Altoona
Umatilla
Lady Lake
Grand Island
Cassia
Fruitland Park
Eustis
Mount Plymouth
Mount Dora
Sorrento
Leesburg
Tavares
S.C.L.
Tangerine
Okahumpka
Astatula
L A K E
Ferndale
Montverde
Minneola
Clermont
Groveland
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
SOUTH FLORIDA WMD
StJR WMD
2
Bay Lake
1
SEABOARD
EXPLANATION
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 10. Location of wells in Lake County

LAKE COUNTY

WELL NUMBER.--282245081492601. Local Number 822-149-213. USGS Observation Well Eva Deep at Eva, FL.

LOCATION.--Lat 28°22'45", long 81°49'26", in NE¼SE¼SE¼ sec.20, T.24 S., R.25 E., Hydrologic Unit 03100208, on east side of State Highway 33, 1,000 ft north of State Highway 474 at Eva.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 192 ft, cased to 100 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in nipple, 3.40 ft above land-surface datum.

DATUM.--Land-surface datum is 113.47 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1959 to December 1962, January 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.72 ft NGVD, Sept. 10, 1960; lowest measured, 105.52 ft NGVD, May 13, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	0840	110.49	JUN 29...	1050	110.08
FEB 03...	--	110.72	AUG 03...	1240	111.34
APR 02...	0830	110.27	SEP 10...	1445	111.32
MAY 14...	1420	109.66			

WELL NUMBER.--282245081492602. Local Number 822-149-213A. USGS Observation Well Eva Shallow at Eva, FL.

LOCATION.--Lat 28°22'45", long 81°49'26" in NE¼SE¼SE¼ sec.20, T.24 S., R.25 E., Hydrologic Unit 03100208, on east side of State Highway 33, 1,000 ft north of State Highway 474 at Eva.

AQUIFER.--Nonartesian sand aquifer of the Tertiary Quaternary Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 23 ft, cased to 18 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in 6 in cap, 3.62 ft above land-surface datum.

DATUM.--Land-surface datum is 113.44 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1959 to June 1962, July 1962 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.44 ft NGVD, Sept. 10, 1960; lowest measured, 107.21 ft NGVD, May 13, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	0840	111.64	MAY 14...	1425	110.75
DEC 07...	1130	111.13	JUN 29...	1045	110.72
FEB 03...	1130	111.64	AUG 03...	1240	112.58
APR 02...	0830	111.15	SEP 10...	1440	112.46

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LAKE COUNTY

WELL NUMBER.--282717081553101. Local Number 827-155-02. ROMP Deep Well 101 near Bay Lake, FL.

LOCATION.--Lat 28°27'17", long 81°55'31", in NE¼NE¼SE¼ sec.29, T.23 S., R.24 E., Hydrologic Unit 03100208, 75 ft south of State Highway 565, 800 ft west of Seaboard Airline Railroad crossing, and 2.3 mi southwest of intersection of Bay Lake Road and State Highway 565 at Bay Lake.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 404 ft, cased to 118 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 2.58 ft (0.79 m) above land-surface datum.

DATUM.--Land-surface datum is 101.35 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 100.25 ft NGVD, Sept. 27,28, 1979; lowest, 93.87 ft NGVD, Dec. 22, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	99.00	98.66	98.51	99.24	99.06	99.26	99.02	98.19	98.10	99.07	99.33	99.10
10	99.19	98.66	98.36	99.36	98.94	99.07	98.97	97.95	97.75	98.96	99.21	99.29
15	99.16	98.46	99.13	99.29	99.28	99.17	99.09	97.72	97.69	98.70	98.98	99.03
20	99.01	98.67	99.14	99.40	99.16	99.05	98.79	97.41	98.52	98.62	98.83	99.03
25	98.93	98.69	98.89	99.34	99.29	98.92	98.56	98.50	98.41	99.19	99.21	98.79
EOM	98.75	98.60	99.17	99.16	99.35	98.78	98.36	98.45	98.69	99.34	98.93	98.94
MAX	99.19	98.75	99.25	99.40	99.44	99.32	99.09	98.59	98.69	99.39	99.45	99.30

CAL YR 1983	MAX	99.95
WTR YR 1984	MAX	99.45

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 11

LEVY COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	290112082371101	161
2	290200082432301	161
3	290202082403901	162
4	290230082412501	162
5	290743082341501	163
6	291910082341101	163
7	292430082283001	164
8	292615082272601	164

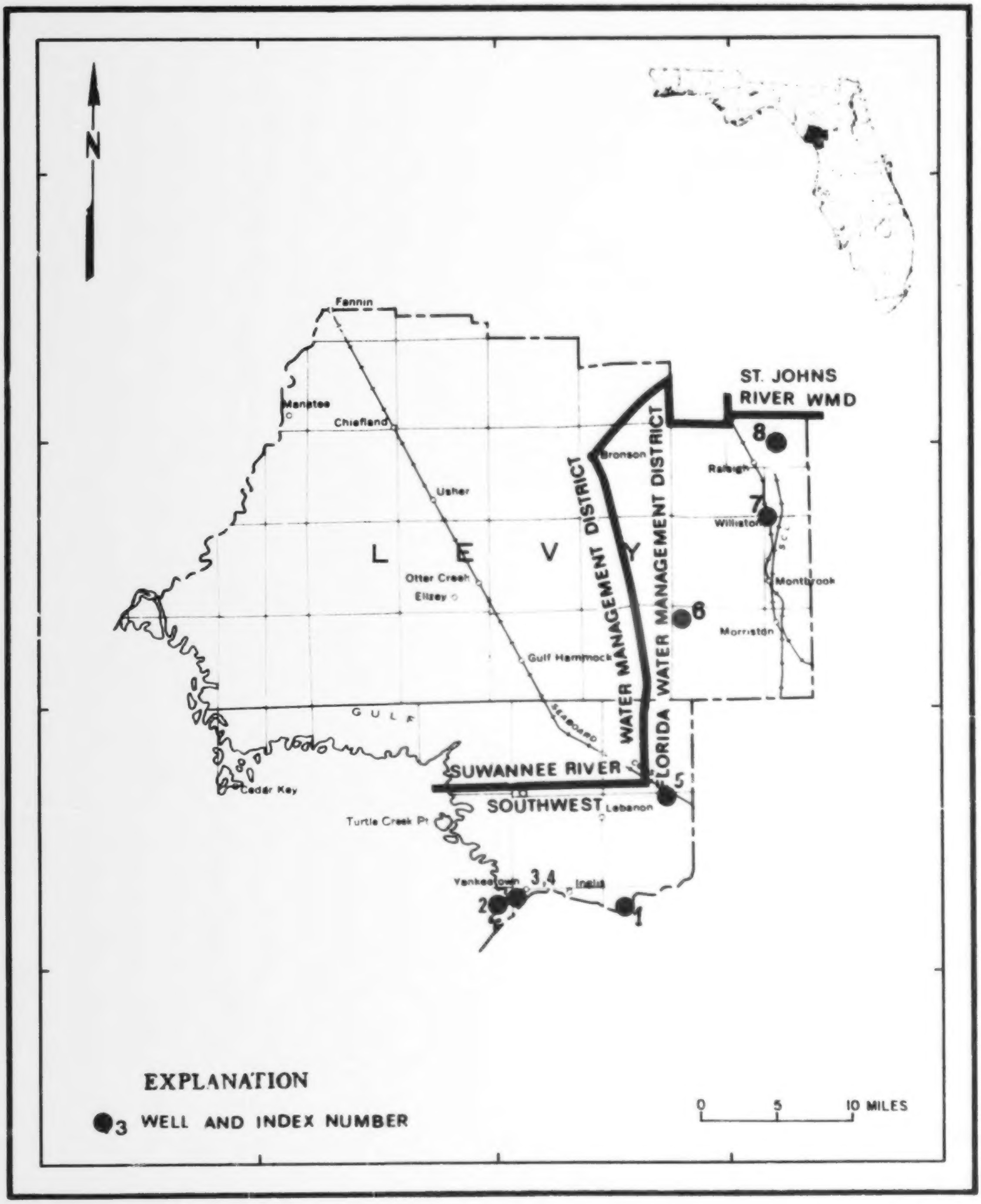
N
Fannin
Manatee
Chiefland
Usher
L E V Y
Otter Creek
Ellzey
Gulf Hammock
Bronson
ST. JOHNS
RIVER WMD
SUWANNEE RIVER
WATER MANAGEMENT DISTRICT
SOUTHWEST
FLORIDA
WATER MANAGEMENT DISTRICT
Raleigh
Williston
Montbrook
Morriston
GULF
SEABOARD
SCL
Cedar Key
Turtle Creek Pt
Lebanon
Yankeetown
Inglis
1
2
3,4
5
6
7
8
EXPLANATION
3 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 11. Location of wells in Levy County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEVY COUNTY

WELL NUMBER.--290112082371101. Local Number CE 5. USGS Observation Well CE 5 near Inglis, FL.

LOCATION.--Lat 29°01'12", long 82°37'11", in NE¼NE¼NE¼ sec.7, T.17 S., R.17 E., Hydrologic Unit 03100208, on island 700 ft southwest of Inglis lock, and 3.2 mi southeast of Inglis.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 125 ft, cased to 84 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 25.39 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.41 ft NGVD, Sept. 6, 1968; lowest, 6.96 ft below NGVD, Sept. 16, 1966.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.31	6.06	5.80	5.29	5.30	5.34	5.47	5.83	---	5.47	5.81	5.69
10	5.55	5.83	4.97	5.60	5.03	4.64	5.24	5.31	---	5.85	5.94	5.92
15	5.07	5.56	4.92	5.05	5.35	5.11	5.80	5.88	6.06	6.02	5.88	5.78
20	5.71	6.58	5.03	4.63	5.30	6.35	5.46	5.82	5.29	5.40	6.00	5.22
25	5.84	5.83	3.75	5.26	4.81	5.17	4.93	5.56	5.67	6.02	6.15	5.66
EOM	5.49	5.05	3.89	5.45	4.93	4.87	5.60	---	6.45	6.29	5.89	5.51
MAX	6.31	6.58	6.02	5.96	6.04	6.82	6.20	---	---	6.44	6.25	5.92

WELL NUMBER.--290200082432301. ROMP Deep Well 124 near Yankeetown, FL.

LOCATION.--Lat 29°02'00", long 82°43'23", in NW¼NE¼NE¼ sec.6, T.17 S., R.16 E., Hydrologic Unit 03110101, 120 ft south of Bonita Club Road, and 1.2 mi west of Yankeetown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 250 ft, cased to 200 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.64 ft above land-surface datum.

DATUM.--Land-surface datum is 4.21 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.82 ft NGVD, Mar. 17, 1983; lowest, 1.74 ft NGVD, June 12, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.36	3.92	4.07	3.76	3.73	3.82	4.18	4.15	3.26	3.56	3.45	2.97
10	3.91	4.00	3.54	4.02	3.30	3.35	4.13	3.65	3.31	3.41	3.27	2.98
15	3.72	3.73	3.88	3.43	3.55	3.51	4.28	3.65	3.39	3.46	3.08	2.91
20	3.93	4.12	3.49	3.76	3.54	4.46	3.85	3.42	2.93	3.39	3.22	2.42
25	4.03	4.20	3.24	3.90	3.75	3.63	3.59	3.31	3.10	3.56	3.26	2.59
EOM	3.57	3.80	3.23	3.73	3.93	3.51	3.60	3.28	3.77	3.82	3.06	3.16
MAX	4.36	4.26	4.23	4.23	4.35	4.78	4.39	4.16	3.77	3.85	3.79	3.16

WTR YR 1984 MAX 4.78

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEVY COUNTY

WELL NUMBER.--290202082403901. Local Number Levy 902-240-343. Florida Power Corporation Well CE 62 at Inglis, FL.

LOCATION.--Lat 29°02'02", long 82°40'39", in SW¼NW¼NE¼ sec.3, T.17 S., R.16 E., Hydrologic Unit 03100208, 100 ft south of State Highway 40 at power plant, 0.6 mi west of U.S. Highway 19 in Inglis.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, industrial, artesian well, diameter 4 in, depth 155 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in coupling, 1.8 ft above land-surface datum.

DATUM.--Land-surface datum is 12.67 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1961, October 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.55 ft NGVD, Sept. 15, 1964; lowest measured, 1.34 ft NGVD, Mar. 14, 1968.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
03...	1521	6.51	04...	1056	5.33
DEC			JUN		
06...	1540	5.98	14...	1336	5.09
FEB			AUG		
01...	1411	5.89	23...	1220	4.72

WELL NUMBER.--290230082412501. Local Number Levy 902-241-02. ROMP Deep Well 125 at Crackertown, FL.

LOCATION.--Lat 29°02'30", long 82°41'25", in SE¼SW¼SE¼ sec.33, T.16 S., R.16 E., Hydrologic Unit 03110101, 40 ft southwest of intersection of State Highway 40A and Schoolcraft Road at Crackertown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, unused, artesian well, diameter 6 in, depth 280 ft, cased to 270 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 8.64 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Sept. 22, 1982; lowest, 1.50 ft NGVD, July 11,12, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.00	5.07	5.50	5.35	5.33	5.47	5.92	6.13	4.62	5.32	4.60	3.91
10	5.73	5.23	5.14	5.32	4.96	5.31	6.13	5.89	4.35	4.89	4.26	3.76
15	5.71	4.98	5.36	5.15	5.00	5.21	6.07	5.37	4.33	4.70	3.96	3.59
20	5.75	5.26	5.10	5.89	---	5.13	5.64	4.89	4.14	4.76	4.08	3.27
25	5.56	5.54	4.86	5.84	---	4.95	5.26	4.69	4.17	4.71	4.50	3.14
EOM	5.12	5.51	5.23	5.54	5.78	5.00	4.95	4.97	5.12	4.87	4.12	4.22
MAX	6.24	5.59	5.55	5.89	---	5.70	6.13	6.20	5.12	5.43	4.85	4.22

CAL YR 1983 MAX 6.92

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEVY COUNTY

WELL NUMBER.--290743082341501. Tidewater Well No. 1 near Dunnellon, FL.

LOCATION.--Lat 29°07'43", long 82°34'15", in NE¼SE¼NE¼ sec.34, T.15 S., R.17 E., Hydrologic Unit 03110101, on south side of State Highway 336 in Tidewater, 9.8 mi northwest of Dunnellon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 12 in, depth 784 ft, cased to 298 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.82 ft above land-surface datum.

DATUM.--Land-surface datum is 70.07 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 61.81 ft NGVD, Sept. 26, 1982; lowest, 55.37 ft NGVD, Dec. 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	60.61	60.48	---	60.57	60.48		60.64	60.17	59.92	60.02	60.37	59.88
10	60.56	60.61	60.37	60.56	---		60.81	60.05	59.70	60.00	60.26	59.82
15	60.71	---	60.43	60.39	---		60.78	59.90	59.49	60.05	60.03	59.60
20	60.73	---	60.33	60.69	---		60.49	59.68	59.35	60.05	60.18	59.77
25	60.71	---	60.12	60.81	---		60.38	59.63	59.59	60.31	60.20	59.52
EOM	60.45	---	60.30	60.54	---		60.25	60.12	59.84	60.35	59.97	59.92
MAX	60.80	---	---	60.83	---		---	60.31	60.04	60.35	60.43	59.96

WELL NUMBER.--291910082341101. Local Number Levy 919-234-01. Bullock-Huber Well near Williston, FL.

LOCATION.--Lat 29°19'10", long 82°34'11", in NW¼NW¼NW¼ sec.36, T.13 S., R.17 E., Hydrologic Unit 03110101, in a field, 1.0 mi south of a county road, 2.9 mi west of State Highway 121, and 10 mi southwest of Williston.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 91 ft, cased to 68 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft, above land-surface datum.

DATUM.--Land-surface datum is 92.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1974 to September 1977 (bimonthly), October 1977 to December 1977 (semiannually); January 1978 to July 1979, August to September 1979 (semiannually), October 1979 to current year (bimonthly). Since October 1981 records of daily water levels in files of Suwannee River Water Management District.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.24 ft NGVD, Oct. 7, 1982; lowest measured, 42.51 ft NGVD, Feb. 12, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
DEC			MAY		
07...	1300	52.67	15...	1450	51.16
FEB			AUG		
01...	1533	52.29	24...	1200	52.16
APR			SEP		
03...	1205	52.39	11...	1255	51.76

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEVY COUNTY

WELL NUMBER.--292430082283001. Local Number Levy 924-228-01. Devils Den Sink CE 8 near Williston, FL.

LOCATION.--Lat 29°24'26", long 82°28'36", in NW¼SE¼SE¼ sec.26, T.12 S., R.18 E., Hydrologic Unit 03080102, 1,000 ft west of county road, 1.3 mi north of Alternate U.S. Highway 27, at a point 1.0 mi west of U.S. Highway 41 in Williston.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Natural sinkhole, depth 32 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Painted mark on east side at land-surface datum.

DATUM.--Land-surface datum is 71.55 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1935 to December 1949, and March 1966 to September 1967 (monthly), November 1967 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.4 ft NGVD, October 1948; lowest measured, 43.09 ft NGVD, Feb. 12, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
FEB			JUN		
01...	1645	53.67	16...	1305	52.82
APR			AUG		
03...	1135	53.70	24...	1112	54.22
MAY			SEP		
15...	1150	53.37	11...	1045	53.69

WELL NUMBER.--292615082272601. ROMP 134 near Williston, FL.

LOCATION.--Lat 29°26'15", long 82°27'26", in SW¼NW¼NW¼ sec.19, T.12 S., R.19 E., Hydrologic Unit 03080102, on east side of dirt road, 0.2 mi south of intersection with State Highway 335, and 3.5 mi north of Williston.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 1,185 ft, cased to 70 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 8 in adapter, 4.22 ft above land-surface datum.

DATUM.--Land-surface datum is 70.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1983, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 54.81 ft NGVD, Oct. 11, 1983; lowest measured, 50.92 ft NGVD, Jan. 20, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	54.79	54.28	53.79	53.71	53.73	53.89	53.91	53.72	53.15		---	---
10	54.80	54.16	53.58	53.80	53.55	53.94	54.06	53.55	52.99		---	---
15	54.76	54.01	53.54	53.74	53.47	53.94	54.09	53.39	---		---	53.64
20	54.70	53.91	53.46	53.74	53.35	54.02	54.01	53.18	52.88		---	53.45
25	54.61	53.96	53.35	53.81	53.54	53.94	53.96	53.21	53.22		54.28	---
EOM	54.38	53.87	53.42	53.76	53.69	53.80	53.82	53.24	---		---	---
MAX	54.81	54.35	53.85	53.83	53.78	54.02	54.09	53.80	---		---	---

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	LEVY					
290301082335601	90323301 16S17E35 DEL WRIGHT CORRAL	29 03 01	082 33 56	01	84-05-15	55.52
					84-09-11	52.44
290503082323101	90523201 16S17E13 SCE 108 T & J RANCH	29 05 03	082 32 31	01	84-05-15	71.77
					84-09-11	70.98
290605082372601	90623701 16S17E07 GEOTHE ROAD	29 06 05	082 37 26	01	84-05-15	30.06
					84-09-11	36.46
291004082382901	91023801 15S16E24 910238433 DIXIE LIME PR	29 10 04	082 38 29	01	84-05-15	29.55
					84-09-11	29.40
291250082341901	91223401 15S17E03 NORMA CARVER	29 12 50	082 34 19	01	84-05-15	49.13
					84-09-11	49.18
291652082261801	91622603 USGS TEST WELL MORRISTON	29 16 52	082 26 18	01	84-05-16	50.24
					84-09-11	51.56
291712082351801	SOUTH OF BONSON-RO	29 17 12	082 35 18	01	84-05-15	52.62
					84-09-11	52.45
292143082282201	92122801 13S18E11 WILLISTON AIRPORT	29 21 43	082 28 22	01	84-05-15	49.96
					84-09-11	50.72
292307082313901	92323101 13S18E05 BULLOCK & HUBER	29 23 07	082 31 39	01	84-05-15	53.39
					84-09-11	53.43
292310082373701	ERCELL SMITH	29 23 10	082 37 37	01	84-05-15	56.10
					84-09-11	56.19
292632082312801	92623101 USGS TEST WELL CR 335 & CR 241	29 26 32	082 31 28	01	84-05-15	54.04
					84-09-11	54.44
292640082381201	92623801 12S17E17 926238241 HARDEE HOTEL	29 26 40	082 38 12	01	84-05-15	55.34
					84-09-11	55.48

LEVY COUNTY--Continued

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	DATE	TIME	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
290200082432301 ROMP DEEP WELL 124 NR YANKEETOWN, FL.									
OCT 1983 03...	1445	2780	60	--	APR 1984 04...	1150	2850	60	1800
DEC 06...	1505	2680	61	--	JUN 14...	1504	2840	52	1800
FEB 1984 01...	1400	2600	58	--	AUG 23...	1350	2920	60	--
290230082412501 ROMP DEEP WELL 125 AT CRACKERTOWN, FL.									
OCT 1983 03...	1417	810	12	--	APR 1984 04...	1125	--	11	360
DEC 06...	1445	--	10	--	JUN 14...	1430	760	10	360
FEB 1984 01...	1330	--	11	--	AUG 23...	1420	759	15	--

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 12

MANATEE COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
2	271832082064801	169
2	271832082064802	169
3	272058082143701	170
4	272356082181302	171
5	272404082161701	171
6	272814082034801	172
6	272814082034802	172
7	272823082311701	173
8	272829082220101	173
9	272838082142201	174
10	273718082315501	174

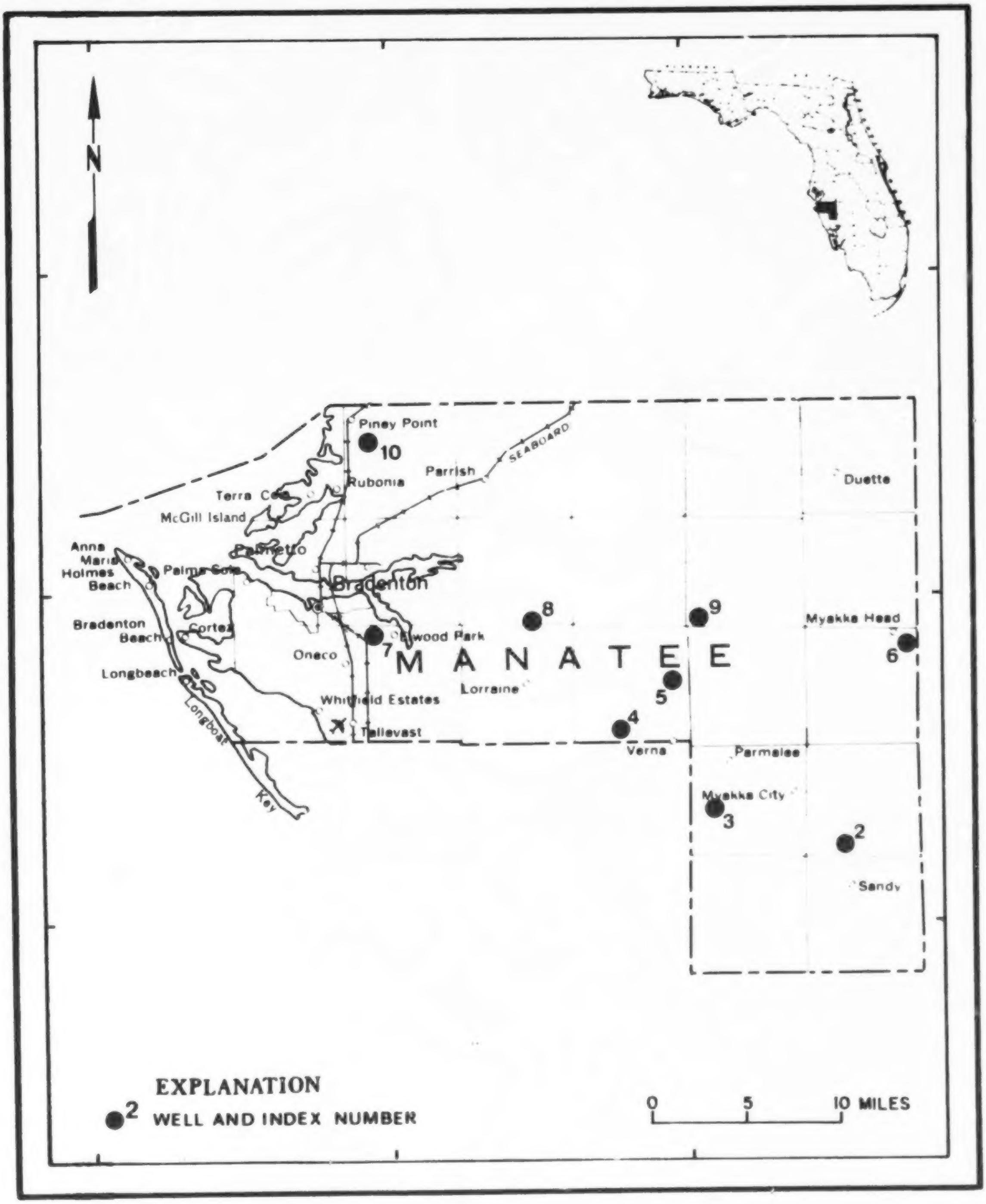
N
Piney Point
10
Parrish
SEABOARD
Rubonia
Duette
Terra Ceia
McGill Island
Anna Maria
Holmes Beach
Palma Sola
Palmetto
Bradenton
8
9
Myakka Head
Bradenton Beach
Cortez
Ellwood Park
7
Oneco
MANATEE
6
Longbeach
5
Lorraine
Whitfield Estates
4
Tallevast
Verna
Parmalee
Longboat Key
Myakka City
3
2
Sandy
EXPLANATION
2 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 12. Location of wells in Manatee County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MANATEE COUNTY

WELL NUMBER.--271832082064801. Edgeville Deep Well 3 at Edgeville, FL.

LOCATION.--Lat 27°18'32", long 82°06'48", in NE¼NW¼ sec.33, T.36 S., R.22 E., Hydrologic Unit 03100102, 0.5 mi southwest of Edgeville, and 4.3 mi east of Myakka City.

AQUIFER.--Limestone aquifer of Oligocene Age, Geologic Unit 123 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 600 ft, cased to 487 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.9 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 70 ft, from topographic map.

PERIOD OF RECORD.--October 1965 to February 1978 (bimonthly); March 1978 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.40 ft NGVD, Oct. 31, 1965; lowest measured, 17.07 ft NGVD, May 11, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.25	37.40	38.74	39.95	39.54	36.54	34.66	31.67	29.32	33.87	38.26	37.02
10	38.33	37.30	38.82	40.19	37.99	35.73	34.65	30.37	29.64	34.80	38.85	36.89
15	38.62	37.50	39.23	40.25	37.14	35.61	34.40	29.61	29.58	35.60	38.80	36.19
20	39.08	37.33	39.62	40.48	36.71	36.06	34.05	28.16	30.43	36.43	38.47	35.94
25	38.47	37.64	39.88	40.67	36.73	35.81	33.68	26.86	31.66	36.96	38.10	35.50
EOM	37.96	38.19	39.79	40.25	37.02	35.58	32.92	28.43	32.77	37.81	37.63	34.91
MAX	39.69	38.19	40.17	40.67	40.05	37.02	35.32	32.64	32.77	37.81	38.85	37.47

WTR YR 1984 HIGH 40.67 JAN 24 AND OTHERS

WELL NUMBER.--271832082064802. Edgeville Well 4 at Edgeville, FL.

LOCATION.--Lat 27°18'32", long 82°06'48", in NE¼NW¼ sec.33, T.36 S., R.22 E., Hydrologic Unit 03100102, 0.5 mi southwest of Edgeville, and 4.3 mi east of Myakka City.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 120 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 70 ft, cased to 65 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.2 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 70 ft, from topographic map.

PERIOD OF RECORD.--October 1965 to June 1967 (monthly); August 1967 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.93 ft NGVD, Sept. 16, 1971; lowest measured, 63.85 ft NGVD, May 14, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	1010	69.62	MAY 15...	1210	67.22
DEC 12...	1358	69.34	JUN 05...	1715	67.37
FEB 13...	1510	67.84	AUG 10...	1150	67.94
APR 06...	1411	68.94	SEP 12...	0820	67.23

MANATEE COUNTY

WELL NUMBER.--272058082143701. Verna T Well 0-2 near Verna, FL.

LOCATION.--Lat 27°20'58", long 82°14'37", in SW¼NE¼ sec.26, T.35 S., R.20 E., Hydrologic Unit 03100102, 2.5 mi south of State Highway 70, and 4.0 mi southeast of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 530 ft, cased to 140 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 68.92 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--March 1978 to current year. Prior to October 1978, published as City of Sarasota Well TH 0-2 near Verna.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.59 ft NGVD, Aug. 22, 1982; lowest, 0.57 ft NGVD, May 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.20	27.60	29.30	31.57	30.48	26.31	23.46	18.88	17.99	23.27	29.83	27.99
10	28.50	27.41	29.80	31.57	28.59	25.48	22.78	17.16	16.99	24.86	29.76	27.32
15	29.01	27.29	30.27	31.93	27.57	24.52	22.58	15.20	16.36	26.10	29.61	25.70
20	29.91	27.43	30.51	31.98	27.14	24.35	22.84	13.21	18.74	26.95	29.21	26.12
25	29.05	27.76	31.15	32.37	27.10	24.31	21.77	12.73	20.22	27.88	29.38	25.24
EOM	28.70	28.70	30.92	31.39	27.15	24.13	20.71	15.31	22.28	28.69	28.86	24.60
MAX	31.00	28.70	31.15	32.47	31.24	26.90	24.01	19.55	22.28	28.69	30.05	28.47

WTR YR 1984 HIGH 32.47 JAN 26

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MANATEE COUNTY

WELL NUMBER.--272356082181302. Verna Deep Well 1A near Verna, FL.

LOCATION.--Lat 27°23'56", long 82°18'13", in NW¼NW¼ sec.34, T.35 S., R.20 E., Hydrologic Unit 03100201, 60 ft north of State Highway 70, and 2.2 mi northwest of Verna.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 to 4 in, depth 480 ft, cased to 412 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 81.94 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by seasonal pumping of nearby irrigation and public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1970 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 48.39 ft NGVD, Apr. 3, 1970; lowest, 23.52 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.59	41.11	42.48	44.02	43.73	42.03	39.95	37.39	34.84	38.88	42.01	40.66
10	41.96	41.37	42.71	44.32	42.64	41.38	39.46	36.07	34.39	39.50	42.02	40.56
15	42.24	41.36	43.29	44.29	42.29	40.92	39.56	35.30	34.79	39.88	41.74	39.92
20	42.77	41.24	43.47	44.60	42.10	40.76	39.66	34.05	36.23	40.50	41.54	39.75
25	42.36	41.67	43.60	44.77	42.12	40.53	39.10	33.36	37.26	41.00	41.68	39.44
EOM	41.71	42.16	43.79	44.36	42.33	40.52	38.60	34.89	37.99	41.68	41.32	39.04
MAX	42.98	42.16	44.03	44.77	44.29	42.36	40.25	38.06	37.99	41.68	42.12	41.17

WTR YR 1984 HIGH 44.77 JAN 25

WELL NUMBER.--272404082161701. Verna T Well 0-1 near Verna, FL.

LOCATION.--Lat 27°24'04", long 82°16'17", in SE¼SE¼ sec.26, T.35 S., R.20 E., Hydrologic Unit 03100201, 1.0 mi north of State Highway 70, and 1.2 mi northwest of Verna.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 480 ft, cased to 140 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 98.92 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--March 197[illegible] to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.32 ft NGVD, Jan. 24, 1984; lowest, 0.54 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.49	25.39	29.45	32.00	29.85	25.44	21.28	15.56	13.78	24.07	30.54	27.72
10	27.81	26.79	29.33	32.51	27.10	23.81	21.10	13.78	12.56	25.28	30.76	27.01
15	29.09	26.68	30.41	32.83	26.54	23.84	21.35	12.24	15.13	26.61	30.19	25.24
20	29.73	26.28	31.37	33.17	26.19	22.70	20.84	9.95	18.19	27.64	29.51	25.18
25	28.96	27.57	31.81	33.15	26.35	23.55	20.07	9.93	20.57	28.70	29.91	23.91
EOM	27.10	28.37	31.39	31.99	26.96	22.15	17.84	13.95	22.41	29.85	28.75	22.54
MAX	30.23	28.37	31.88	33.32	31.44	26.75	21.63	17.44	22.41	29.85	30.92	28.60

WTR YR 1984 HIGH 33.32 JAN 24

MANATEE COUNTY

WELL NUMBER.--272814082034801. ROMP 32 Avon Park Well at Myakka Head, FL.

LOCATION.--Lat 27°28'14", long 82°03'48", in SW¼SE¼ sec.36, T.34 S., R.22 E., Hydrologic Unit 03100101, 150 ft north of State Highway 64, 0.6 mi west of Hardee County line, and 0.8 mi east of Myakka Head.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,215 ft, cased to 909 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.53 ft above land-surface datum.

DATUM.--Land-surface datum is 104.11 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--February 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 42.94 ft NGVD, Oct. 11, 1982; lowest, 3.47 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1982
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	40.57	37.50	38.93	39.46	39.89	35.65	34.11	29.12	23.28	29.80	37.15	37.70
10	39.80	37.47	39.19	40.11	36.95	34.80	34.10	26.17	22.81	31.40	37.75	37.22
15	39.70	37.59	39.93	40.49	36.51	34.70	34.05	24.56	22.56	32.93	37.90	35.52
20	40.00	37.29	40.60	40.61	35.69	35.14	34.04	21.58	24.84	34.08	38.15	34.20
25	39.60	37.78	40.82	41.13	35.98	35.46	33.55	20.64	26.90	34.95	38.57	33.44
EOM	38.70	38.38	38.96	40.95	36.32	35.42	31.86	22.84	28.23	36.05	38.19	32.78
MAX	41.30	38.45	40.95	41.13	40.81	36.14	35.10	31.36	28.23	36.05	38.70	38.08

WTR YR 1984 HIGH 41.30 OCT 1

WELL NUMBER.--272814082034802. ROMP 32 Suwannee Well at Myakka Head, FL.

LOCATION.--Lat 27°28'14", long 82°03'48", in SW¼SE¼ sec.36, T.34 S., R.22 E., Hydrologic Unit 03100102, 150 ft north of State Highway 64, 0.6 mi west of Hardee County line, and 0.8 mi east of Myakka Head.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 600 ft, cased to 560 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.70 ft above land-surface datum.

DATUM.--Land-surface datum is 103.89 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--February 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 43.72 ft NGVD, Oct. 11, 1982; lowest, 4.06 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.52	38.20	39.57	39.89	40.60	36.19	34.81	29.90	23.70	30.00	37.52	38.11
10	40.74	38.11	39.88	40.61	37.63	35.49	34.68	26.67	23.24	31.60	38.16	37.61
15	40.38	38.34	40.57	40.93	37.05	35.24	34.59	25.20	22.76	33.16	38.36	36.03
20	40.75	38.09	41.15	41.09	36.34	35.83	34.66	22.10	25.00	34.33	38.58	34.54
25	40.34	38.38	41.40	41.66	36.39	36.06	34.12	21.10	27.10	35.24	38.96	33.63
EOM	39.31	38.95	39.55	41.49	36.85	36.17	32.56	23.30	28.46	36.30	38.68	33.00
MAX	42.39	39.05	41.46	41.66	41.41	36.80	35.88	32.18	28.46	36.30	39.13	38.64

WTR YR 1984 HIGH 42.39 OCT 1

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MANATEE COUNTY

WELL NUMBER.--272823082311701. Bradenton Stone Well near Bradenton, FL.

LOCATION.--Lat 27°28'23", long 82°31'17", in NW¼NE¼ sec.5, T.35 S., R.18 E., Hydrologic Unit 03100202, 0.2 mi south of 26th Avenue, and 2.8 mi southeast of Bradenton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation well, diameter 6 in, depth 600 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 21.60 ft above land-surface datum.

DATUM.--Land-surface datum is 8.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.16 ft NGVD, Apr. 2, 1983; lowest, 1.91 ft NGVD, May 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.28	16.36	19.40	20.55	18.77	17.36	16.10	10.02	9.53	13.56	19.93	16.70
10	17.36	17.44	19.29	20.71	16.60	16.40	15.20	8.42	7.95	14.35	20.00	15.90
15	18.59	17.59	19.52	20.86	16.40	15.70	15.06	7.07	9.10	15.97	18.96	15.08
20	19.61	17.22	20.25	20.95	16.40	16.39	15.32	6.11	10.48	17.40	18.69	15.82
25	19.02	17.91	20.51	20.98	17.39	16.00	13.77	6.26	11.93	18.39	19.22	15.81
EOM	17.47	18.77	19.74	20.13	17.90	16.30	11.83	9.87	12.40	19.61	18.13	15.23
MAX	19.63	18.77	20.60	21.03	19.77	17.83	16.10	11.43	12.40	19.61	20.23	17.64

WTR YR 1984 HIGH 21.03 JAN 19

WELL NUMBER.--272829082220101. Manatee-Schroeder State Highway 64 Deep Well near Verna, FL.

LOCATION.--Lat 27°28'29", long 82°22'01", in NW¼NW¼ sec.1, T.35 S., R.19 E., Hydrologic Unit 03100202, 3.7 mi west of intersection State Highway 675 and State Highway 64, and 8.8 mi northwest of Verna.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 12 in, depth 1,103 ft, cased to 168 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.45 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 66 ft, from topographic map.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.64 ft NGVD, Sept. 22, 23, 1984; lowest, 10.15 ft below NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.10	14.70	17.95	20.43	17.00	13.56	9.08	1.57	1.27	13.35	20.01	15.40
10	15.37	14.60	17.88	20.76	14.80	10.99	8.99	-0.61	.13	14.76	19.80	13.50
15	17.11	15.40	18.51	21.20	14.28	11.17	9.16	-2.33	3.43	16.37	18.33	11.73
20	17.66	15.80	19.81	20.70	13.60	10.41	9.17	-4.24	7.78	17.59	17.79	12.65
25	16.72	15.80	20.27	20.50	14.62	11.28	7.47	-3.03	10.51	18.31	18.62	11.15
EOM	15.70	16.72	19.80	18.50	15.42	10.06	4.51	1.57	11.90	19.35	16.52	11.46
MAX	19.50	16.72	20.43	21.43	18.30	14.90	9.82	3.71	11.	19.35	20.04	16.37

WTR YR 1984 HIGH 21.43 JAN 17

NOTE.--Record estimated Oct. 1-4, Oct. 27 to Nov. 28, Dec. 27 to Jan. 2, Jan. 17 to Feb. 13, June 23-24.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MANATEE COUNTY

WELL NUMBER.--272838082142201. Kibler Deep Well 26B near Bethany, FL.

LOCATION.--Lat 27°28'38", long 82°14'22", in SE¼NE¼ sec.31, T.34 S., R.21 E., Hydrologic Unit 03100102, 0.2 mi north of State Highway 64, and 1.6 mi east of Bethany.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 1,123 ft, cased to 208 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 101 ft, from topographic map.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.30 ft (estimated), NGVD, Aug. 20, 1978; lowest, 9.90 ft below NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.94	18.55	23.84	26.63	23.31	18.14	12.79	5.90	4.57	17.84	25.81	21.99
10	22.17	20.38	23.77	27.21	19.81	15.80	12.69	3.76	3.49	19.53	26.03	21.48
15	23.86	20.47	24.76	27.89	19.54	15.68	12.66	1.44	6.05	21.05	25.30	19.32
20	24.97	19.80	26.08	28.23	18.66	15.28	13.02	-1.46	10.07	22.20	24.57	16.51
25	23.42	21.42	26.77	28.41	19.71	15.88	11.44	-0.33	13.10	23.38	24.10	16.45
EOM	20.73	22.43	25.51	26.22	20.66	14.60	8.93	4.61	15.68	24.89	24.13	13.76
MAX	25.30	22.43	26.92	28.53	25.45	20.39	13.90	8.44	15.68	24.89	26.20	23.64

WTR YR 1984 HIGH 28.53 JAN 24

WELL NUMBER.--273718082315501. Florida Power and Light Well at Piney Point, FL.

LOCATION.--Lat 27°37'18", long 82°31'55", in NE¼SE¼ sec.7, T.33 S., R.18 E., Hydrologic Unit 03100206, 0.4 mi east of U. S. Highway 41, and 0.8 mi southeast of Piney Point.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused private, artesian well, diameter 12 in, depth 950 ft, cased to 104 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 10.15 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 11 ft, from topographic map.

PERIOD OF RECORD.--May 1978 to current year. Prior to October 1979, published as (273718082315401) Willis Well at Piney Point.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.49 ft NGVD, Aug. 14, 1978; lowest, 1.89 ft below NGVD, May 19, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.30	12.80	15.50	17.40	15.40	13.79	12.92	4.59	5.51	14.24	18.55	14.41
10	13.37	15.11	15.30	17.70	13.50	11.40	12.67	2.60	4.17	15.24	17.75	13.07
15	14.80	13.98	15.70	17.80	13.50	13.88	12.73	2.58	8.15	16.54	16.61	9.56
20	16.70	13.70	16.80	18.11	12.65	12.42	12.02	1.92	12.22	17.10	17.00	13.68
25	15.00	14.50	16.00	18.20	14.42	14.35	10.81	3.19	13.26	16.97	17.53	11.21
EOM	13.10	15.40	16.30	16.40	15.92	11.82	5.70	7.19	13.38	18.15	14.71	13.51
MAX	16.70	15.57	17.10	18.40	16.10	14.83	13.49	7.19	13.38	18.15	18.55	15.05

WTR YR 1984 HIGH 18.55 AUG 5 AND OTHERS

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	MANATEE					
271450082035801	WELL 714-203-5058	27 14 50	082 03 58	01	84-05-18 84-09-14	36.65 40.00
271906082112401	ROMP 23 DP NR MYAKKA CITY	27 19 06	082 11 24	01	84-05-15 84-09-10	24.14 32.58
272301082145901	CLOVERDALE FARM D. WELL NR VERNA,FL	27 23 01	082 14 59	01	84-05-15 84-09-11	9.94 24.59
272423082051901	PARKS D. WELL NR MYAKKA HEAD,FL	27 24 23	082 05 19	01	84-05-15 84-09-10	25.94 33.35
272438082325201	MIDWAY GROVES DP NR TALLEVAST	27 24 38	082 32 52	01	84-05-15 84-09-10	12.83 19.15
272445082214101		27 24 45	082 21 41	01	84-05-14	1.37
272612082142401	HOWARD FARMS BETHEMY RD	27 26 12	082 14 24	01	84-09-10	25.90
272647082181401	RAY ANDERSON WELL AT WATERBURY	27 26 47	082 18 14	01	84-05-14 84-09-11	-1.53 17.44
272731082414601	ANNA MARIA 1 D. WELL AT BRADENTON BEACH,FL	27 27 31	082 41 46	01	84-05-14 84-09-14	14.68 17.18
272735082083401	USGS D. WELL NR MYAKKA HEAD,FL	27 27 35	082 08 34	01	84-05-15 84-09-10	16.26 32.33
272824082372901	59TH. ST D. WELL AT BRADENTON	27 28 24	082 37 29	01	84-05-14	14.44
272905082264301	SR 64 D. WELL NR BRADENTON	27 29 05	082 26 43	01	84-05-14 84-09-11	0.79 13.42
273000082082901	BEKER W-2 NR MYAKKA HEAD	27 30 00	082 08 29	01	84-05-14 84-09-10	16.48 33.78
273039082175301	RUTLAND-OAK KNOLL WELL	27 30 39	082 17 53	01	84-05-14 84-09-10	-0.93 20.20
273110082194901	RUTLAND RANCH ON SR 675 NR PARRISH	27 31 10	082 19 49	01	84-09-10	14.83
273134082344601	MANATEE FAIRGROUNDS AT PALMETTO	27 31 34	082 34 46	01	84-05-14 84-09-11	11.13 14.63
273159082373101	SNEADS ISLAND D. WELL AT PALMETTO	27 31 59	082 37 31	01	84-05-14 84-09-14	13.45 17.15
273255082072601	SWIFT-AVON PARK ON DUETTE RD NR DUETTE	27 32 55	082 07 26	01	84-05-14 84-09-09	25.90 38.60
273259082221401	KOEHLER WELL ON RYR RD NR PARRISH	27 32 59	082 22 14	01	84-05-15	-4.69
273321082314001	SR 683 D. WELL NR PALMETTO	27 33 21	082 31 40	01	84-05-15 84-09-10	5.50 15.71
273536082260301	GRIFFIN D. WELL AT PARRISH	27 35 36	082 26 03	01	84-05-15 84-09-10	-4.03 12.81
273629082090701	AVON PARK NORTH TEST HOLE-SWIFT	27 36 29	082 09 07	01	84-05-14 84-09-09	23.10 37.62
273731082270301	BUCKEYE RD BEND WELL NR PARRISH	27 37 31	082 27 03	01	84-05-15 84-09-10	-6.21 11.50
273824082203201	SW HILLS CO 2 NR WIMAUMA	27 38 24	082 20 32	01	84-05-15 84-09-11	-10.80 10.95
273844082033001	WELL 738 203 4430	27 38 44	082 03 30	01	84-05-15 84-09-10	34.65 46.78

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

MANATEE COUNTY

272737082372401 SW BRADENTON WWTP #3 WELL (LAT 27 27 37 LONG 082 37 24)

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
DEC 1983 09...	0930	1400	--	7.7	25.0	0.0	--	--	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)
DEC 1983 09...	--	--	--	--	--	--	<0.1	<0.01	<0.1	<0.01	<0.01

DATE	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	PER- THANE TOTAL (UG/L) (39034)	LINDANE TOTAL (UG/L) (39340)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	TOX- APHENE, TOTAL (UG/L) (39400)	TOLUENE TOTAL (UG/L) (34010)
DEC 1983 09...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<1	<3.0

DATE	BENZENE TOTAL (UG/L) (34030)	CHLORO- BENZENE TOTAL (UG/L) (34301)	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROM- OFORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- OFORM TOTAL (UG/L) (32106)	ETHYL- BENZENE TOTAL (UG/L) (34371)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
DEC 1983 09...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	TRI- CHLORO- FLOURO- METHANE TOTAL (UG/L) (34488)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1,2,2 TETRA- CHLORO- ETHANE TOTAL (UG/L) (34516)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	CHLORO- ETHYL- ENE TOTAL (UG/L) (34546)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)
DEC 1983 09...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

MANATEE COUNTY--Continued

272814082034801 - ROMP WELL 32 AVON PARK NR MYAKKA HEAD,FL (LAT 27 28 14 LONG 082 03 48)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT , 1983									
05...	1300	730	650	10.9	25.5	<1	48	.10	37
JAN , 1984									
16...	1245	690	710	--	25.5	--	--	--	--
FEB									
13...	1305	590	570	--	25.5	--	--	--	--
APR									
06...	1250	525	520	--	25.5	--	--	--	--
JUN									
06...	1435	660	593	10.7	26.0	5	35	.60	39

272814082034801 - ROMP WELL 32 AVON PARK NR MYAKKA HEAD,FL (LAT 27 28 14 LONG 082 03 48)

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT , 1983								
05...	4.6	95	15	.90	1.0	281	22000	23
JAN , 1984								
16...	--	100	16	--	--	--	--	--
FEB								
13...	--	97	16	--	--	--	--	--
APR								
06...	--	100	16	--	--	--	--	--
JUN								
06...	5.4	90	13	.70	.4	252	23000	29

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ARSENIC TOTAL (UG/L AS AS) (01002)
273013082080701 - BEAKER PHOSPHATE CORP. (WIND GATE MINE) WELL P4 (LAT 27 30 13 LONG 082 08 07								
MAY , 1984								
23...	1535	--	--	--	--	--	--	<1
23...	1536	--	--	--	--	--	--	<1
273842082175001 - S W HILLSBOROUGH 3 NR WIMAUMA (LAT 27 38 42 LONG 082 17 50)								
MAY , 1984								
17...	1541	480	460	7.7	27.0	--	14	--

273013082080701 - BEAKER PHOSPHATE CORP. (WIND GATE MINE) WELL P4 (LAT 27 30 13 LONG 082 08 07

DATE	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)
MAY , 1984								
23...	100	1	2	1	2	.1	<1	<1
23...	100	1	4	15	3	.3	<1	<1

KEY TO SITE LOCATIONS ON FIGURE 13

MARION COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	290106082191001	180
1A	290133082140901	180
2	290215082152401	181
3	290306082232802	181
4	290312082250801	182
5	290514082270701	182
6	291059082190801	183

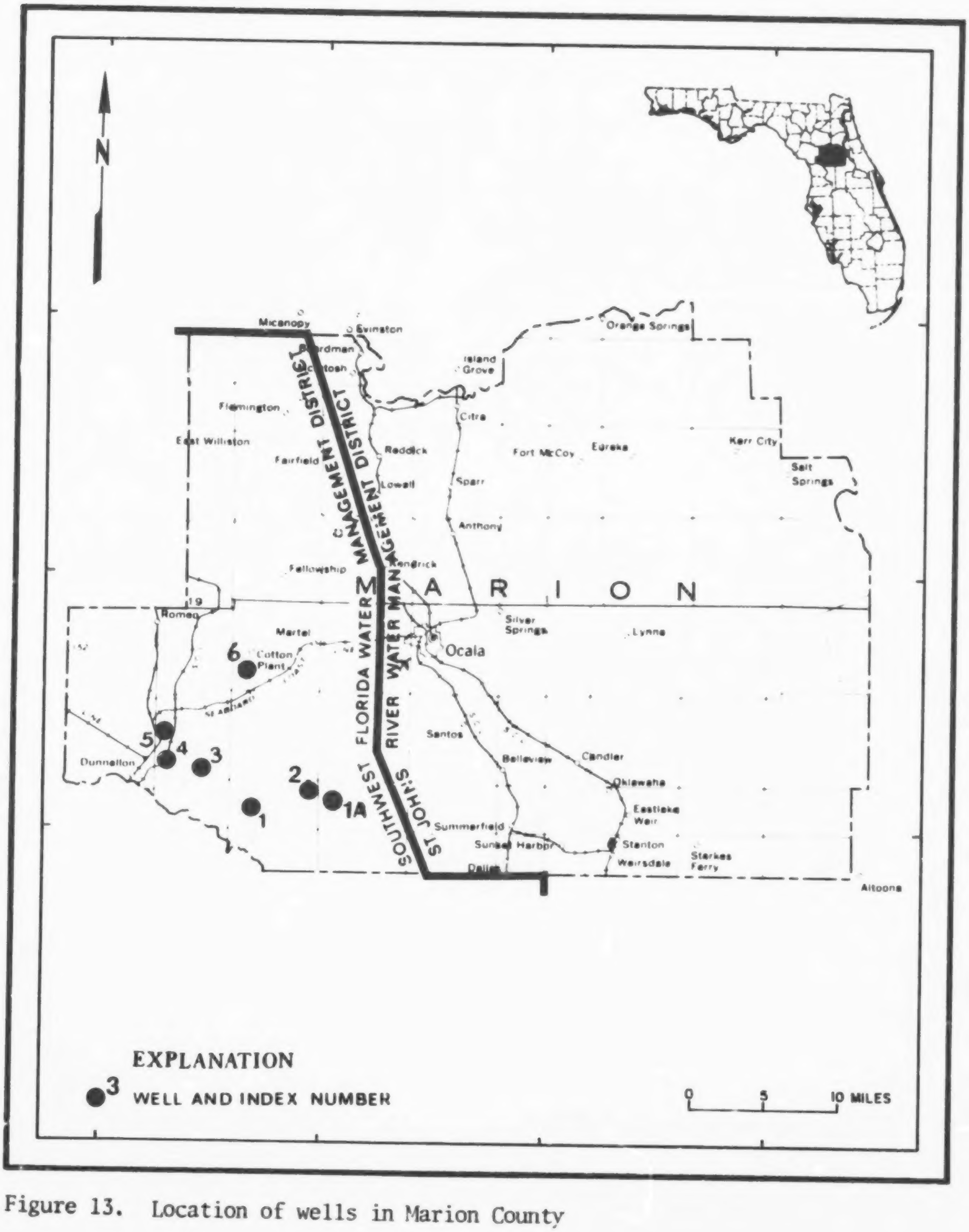
N
Micanopy
Evinston
Boardman
McIntosh
Orange Springs
Island Grove
Flemington
East Williston
Fairfield
Citra
Reddick
Fort McCoy
Eureka
Kerr City
Salt Springs
Lowell
Sparr
Anthony
Kendrick
Fellowship
19
MARION
Romeo
Martel
Cotton Plant
Silver Springs
Lynns
Ocala
Santos
Belleview
Candler
Oklawaha
Eastlake Weir
Dunnellon
Summerfield
Sunset Harbor
Stanton
Weirsdale
Starkes Ferry
Dallas
Altoona
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ST JOHNS RIVER WATER MANAGEMENT DISTRICT
1
1A
2
3
4
5
6
EXPLANATION
●3 WELL AND INDEX NUMBER
0 5 10 MILES

Figure 13. Location of wells in Marion County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARION COUNTY

WELL NUMBER.--290106082191001. Local Number CE-23. USGS Observation Well CE 23 near Dunnellon, FL.

LOCATION.--Lat 29°01'06", long 82°19'10", in NE¼NE¼NE¼ sec.17, T.17 S., R.20 E., Hydrologic Unit 03100208, north of State Highway 200, 2.8 mi northeast of Withlacoochee River, and 16.3 mi southwest of Ocala.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 45 ft, cased to 19 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 62.64 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1966 to September 1977, October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.54 ft NGVD, Sept. 7, 1968; lowest measured, 37.10 ft NGVD, Feb. 10, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 24...	1307	47.38	MAY 16...	1340	46.18
DEC 05...	1310	46.84	JUN 13...	1430	46.10
JAN 31...	1628	46.85	AUG 20...	1530	47.02
APR 05...	0745	47.73	SEP 11...	1030	48.16

WELL NUMBER.--290133082140901. ROMP 119 near Ocala, FL.

LOCATION.--Lat 29°01'33", long 82°14'09", in NW¼NW¼SW¼ sec.8, T.17 S., R.21 E., Hydrologic Unit 03080102, on south side of State Highway 484, 4.5 mi west from intersection with Interstate Highway I-75, 12 mi southwest of Ocala.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 502 ft, cased to 106 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.90 ft above land-surface datum.

DATUM.--Land-surface datum is 71.85 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 49.41 ft Aug. 18,19, 1983; lowest, 46.34 ft Mar. 3-6, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.94	48.79	48.09	47.82	47.95	47.78	47.76	48.31	48.25		---	48.03
10	48.91	48.71	47.96	47.91	47.85	47.77	47.96	48.39	48.25		---	47.97
15	48.89	48.58	47.90	47.91	47.82	47.78	48.13	48.34	---		---	47.82
20	48.92	48.47	47.82	47.94	47.75	47.85	48.21	48.19	---		---	47.69
25	48.92	48.33	47.71	47.98	47.72	47.80	48.27	48.09	---		47.98	47.53
EOM	48.83	48.20	47.68	47.95	47.70	47.71	48.26	48.21	---		48.06	47.40
MAX	48.97	48.82	48.18	48.00	47.99	47.85	48.28	48.41	---		---	48.07

CAL YR 1983 MAX 49.41

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARION COUNTY

WELL NUMBER.--290215082152401. Local Number Marion 902-215-431. Observation Well CE 74 near Ocala, FL.

LOCATION.--Lat 29°02'15", long 82°15'24", in NE¼SW¼SE¼ sec.1, T.17 S., R.20 E., Hydrologic Unit 03100208, 0.25 mi west of State Highway 484, 2.9 mi southeast of State Highway 200, and 13 mi southwest of Ocala.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 2 in, depth 51 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 76.97 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1964 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.47 ft NGVD Dec. 1, 1964; lowest measured, 40.64 ft NGVD, July 15, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	1200	48.19	MAY 16...	1245	47.45
DEC 05...	1323	47.38	JUN 14...	0845	47.44
JAN 31...	1643	48.17	AUG 20...	1800	47.15
APR 03...	1520	46.83	SEP 11...	0952	47.35

WELL NUMBER.--290306082232802. Local Number Marion 903-223-433. Fire Tower Well CE 73 at Dunnellon, FL.

LOCATION.--Lat 29°03'06", long 82°23'28", in SE¼NW¼SE¼ sec.34, T.16 S. R.19 E., Hydrologic Unit 03100208, on south side of State Highway 484, across from Dunnellon Fire Tower, 4.4 mi east of U.S. Highway 41 in Dunnellon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 36 ft, cased to 26 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in cap, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 65.18 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1964 to May 1966 (monthly), July 1966 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.51 ft NGVD, Sept. 21, 1970; lowest measured, 47.91 ft NGVD, July 15, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 03...	1230	58.86	MAY 16...	1200	59.90
DEC 06...	1715	59.40	JUN 14...	0905	59.93
FEB 01...	1000	59.36	AUG 22...	1847	59.85
APR 03...	1305	58.61	SEP 11...	1250	59.27

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARION COUNTY

WELL NUMBER.--290312082250801. Local Number 903-225-01. USGS Observation Well CE 14 near Dunnellon, FL.

LOCATION.--Lat 29°03'12", long 82°25'08", in NW¼NW¼NW¼ sec.32, T.16 S., R.19 E., Hydrologic Unit 03100208, on north side of State Highway 484, 8.3 mi west of State Highway 200, and 2.7 mi east of Dunnellon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 190 ft, cased to 112 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 60.24 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.18 ft NGVD, Aug. 27, 1970; lowest, 34.31 ft NGVD, Feb. 28, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	45.01	44.90	44.33	44.50	44.41	44.07	43.80		---	45.49	45.94	45.12
10	44.90	44.77	44.31	44.69	44.24	44.01	44.14		---	45.65	46.00	44.96
15	44.81	44.59	44.27	44.59	44.17	43.97	---		44.77	45.64	45.87	44.75
20	44.89	44.46	44.24	44.52	44.11	43.91	---		44.61	45.55	45.73	44.57
25	44.96	44.34	44.04	44.59	44.01	43.78	---		44.76	45.37	45.52	44.38
EOM	44.92	44.33	44.12	44.46	43.91	43.64	---		44.94	45.51	45.29	44.22
MAX	45.03	44.91	44.37	44.69	44.49	44.07	---		---	45.69	46.01	45.27

CAL YR 1983 MAX 46.16

WELL NUMBER.--290514082270701. Local Number 905-227-01. Rainbow Springs Well near Dunnellon, FL.

LOCATION.--Lat 29°05'14", long 82°27'07", in SW¼NW¼SW¼ sec.13, T.16 S., R.18 E., Hydrologic Unit 03100208, on east side of U.S. Highway 41, 2.8 mi north of Dunnellon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 442 ft, cased to 125 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 113.13 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Well records used to determine flow of Rainbow Springs.

PERIOD OF RECORD.--October 1964 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily mean water level, 36.12 ft NGVD, Oct. 22, 1964; lowest, 29.88 ft NGVD, July 3-4, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---	32.20	32.17	32.16	32.17	32.30	32.18	32.09	32.41	32.46
10			32.20	32.20	32.09	32.15	32.16	32.32	32.08	32.12	---	32.42
15			32.18	32.16	32.12	32.07	32.29	32.25	32.03	32.18	---	32.36
20			32.19	32.18	32.20	32.15	32.26	32.16	31.96	32.18	---	32.33
25			32.15	32.18	32.25	---	32.28	32.19	31.97	32.32	32.48	32.25
EOM			32.12	32.17	32.19	---	32.23	32.25	32.05	32.33	32.47	32.28
MAX			---	32.20	32.27	---	---	32.32	32.22	32.33	---	32.47

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARION COUNTY

WELL NUMBER.--291059082190801. Romp 120 near Cotton Plant, FL.

LOCATION.--Lat 29°10'59", long 82°19'08", in NE¼SE¼SE¼ sec.17, T.15 S., R.20 E., Hydrologic Unit 03080102, on south side of State Highway 328, 0.4 mi from intersection with State Highway 40 in Cotton Plant.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 403 ft, cased to 110 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.22 ft above land-surface datum.

DATUM.--Land-surface datum is 76.04 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.69 ft Aug. 2,3, 1982; lowest, 41.03 ft Feb. 14, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.84	49.23	48.40	48.22	48.50	48.43	48.32		---	47.65	47.82	47.87
10	49.75	49.09	48.25	48.26	48.36	48.37	48.63		---	47.71	47.92	47.76
15	49.64	48.94	48.18	48.15	48.26	48.33	48.75		47.88	47.71	47.92	47.65
20	49.60	48.84	48.12	48.23	49.17	48.38	48.70		47.80	47.71	---	47.33
25	49.48	48.60	47.99	48.46	48.17	48.25	---		47.67	47.68	48.05	47.07
EOM	49.31	48.49	47.99	48.49	48.27	48.08	---		47.58	47.67	48.00	46.98
MAX	---	49.29	48.48	48.53	48.53	48.46	---		---	47.71	---	47.98

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	MARION					
285933082192501	85921901 17S20E20 CE 24 U S GEOL SURVEY	28 59 33	082 19 25	01	84-05-16 84-09-11	41.79 42.01
290103082104501	90121001 17S21E14 MARION OAKS NO 2	29 01 03	082 10 45	01	84-05-16 84-09-14	48.39 47.84
290227082250801	90222501 16S19E31 CE 75 U S GEOL SURVEY	29 02 27	082 25 08	01	84-05-16 84-09-11	58.43 57.65
290238082120901	90221201 17S21E03 SCE 168 CORPS OF ENGINEERS	29 02 38	082 12 09	01	84-05-16 84-09-13	49.99 48.47
290312082190601	90321901 16S20E33 CE 22 U S GEOL SURVEY	29 03 12	082 19 06	01	84-05-16 84-09-11	54.99 55.22
290325082283701	90322802 16S18E27 AK:54 WELL NEAR VOGT SPRINGS	29 03 25	082 28 37	01	84-05-16 84-09-14	46.35 40.70
290447082250901	90422501 16S19E20 CE 13 U S GEOL SURVEY	29 04 47	082 25 09	01	84-05-16	34.54
290614082274801	90622701 16S18E11 SCE 170 RAINBOWS END GOLF CRS	29 06 14	082 27 48	01	84-05-16 84-09-12	36.66 35.08
290739082245701	90722401 15S19E32 CE 12 U S GEOL SURVEY	29 07 39	082 24 57	01	84-05-16 84-09-13	37.21 37.19
290752082271101	90722701 15S18E35 SCE 116 RAINBOW ACRES	29 07 52	082 27 11	01	84-05-16 84-09-12	37.29 37.20
290822082310101	90823101 15S18E32 LAKE BONABLE	29 08 22	082 31 01	01	84-05-16 84-09-12	48.53 48.94
290910082315001	90923101 15S18E30 SCE 138 LITTLE LAKE BONABLE	29 09 10	082 31 50	01	84-05-16 84-09-12	47.96 48.75
290913082245601	90922401 15S19E29 SCE 118 LAKE TROPICANA	29 09 13	082 24 56	01	84-05-16 84-09-12	40.60 44.78
290951082211201	90922101 15S19E25 SCE 173 RAINBOW PARK ESTATES	29 09 51	082 21 12	01	84-05-16 84-09-13	48.96 48.45
291056082263201	91022601 15S18E13 HERSHEL KYPER ROMEO	29 10 56	082 26 32	01	84-05-16 84-09-12	43.10 42.81
291241082300101	91223001 15S18E34 PETTYJOHN-BOOM IRR.	29 12 41	082 30 01	01	84-05-16 84-09-12	46.49 46.78
291303082220401	91322201 14S19E36 IMA WORM WELL AT EARLY BIRD	29 13 03	082 22 04	01	84-05-16 84-09-14	39.11 46.68
291738082115301	91721102 14S21E10 CE 30A	29 17 38	082 11 53	01	84-05-14 84-09-10	47.96 46.34
292101082233601	92122301 13S19E15 HOMESTEADER NURSERY	29 21 01	082 23 36	01	84-05-15 84-09-10	53.10 53.08
292146082182501	92121801 13S20E09 SR 316 WELL SRWMD	29 21 46	082 18 25	01	84-05-15 84-09-13	52.98 52.88
292256082164001	92221601 13S20E12 922216121 L K EDWARDS	29 22 56	082 16 40	01	84-05-15 84-09-10	55.65 53.96
292349082191501	92321901 12S20E33 E H UPDIKE	29 23 49	082 19 15	01	84-05-15 84-09-10	53.72 53.26
292718082202601	92722001 12S20E18 MAHAFFEY WELL	29 27 18	082 20 26	01	84-05-15 84-09-10	59.17 57.50
292816082234501	92822301 12S19E03 SMITH BROTHERS WACAHOOTA	29 28 16	082 23 45	01	84-05-15 84-09-10	60.93 59.44

KEY TO SITE LOCATIONS ON FIGURE 14

PASCO COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	281018082095801	187	32	281636082372001	199
3	281023082075701	187	32	281636082372002	199
4	281025082384601	188	34	281654082065901	200
6	281037082071801	188	35	281715082164401	201
8	281053082310401	189	35	281715082164402	201
8	281053082310402	189	39	281917082420901	202
9	281101082292501	190	40	281918082264601	202
9	281101082292502	190	40	281918082264602	203
11	281117082291501	191	41	281922082403901	203
13	281120082245501	191	42	281923082252201	204
15	281124082353001	192	42	281923082252202	204
16	281143082304702	193	43	281926082212901	205
16	281143082304703	193	43	281926082212903	205
17	281222082393401	194	44	281949082332001	206
17	281222082393403	194	44	281949082332002	206
18	281424082192701	195	45	282009082373801	207
18	281424082192702	195	46	282147082113004	208
23	281448082301801	196	46	282259082104101	208
24	281451082380701	196	47	282540082275701	209
26	281504082104801	197	47	282540082275702	209
30	281558082264601	198	48	282641082112001	210
31	281622082241301	198			

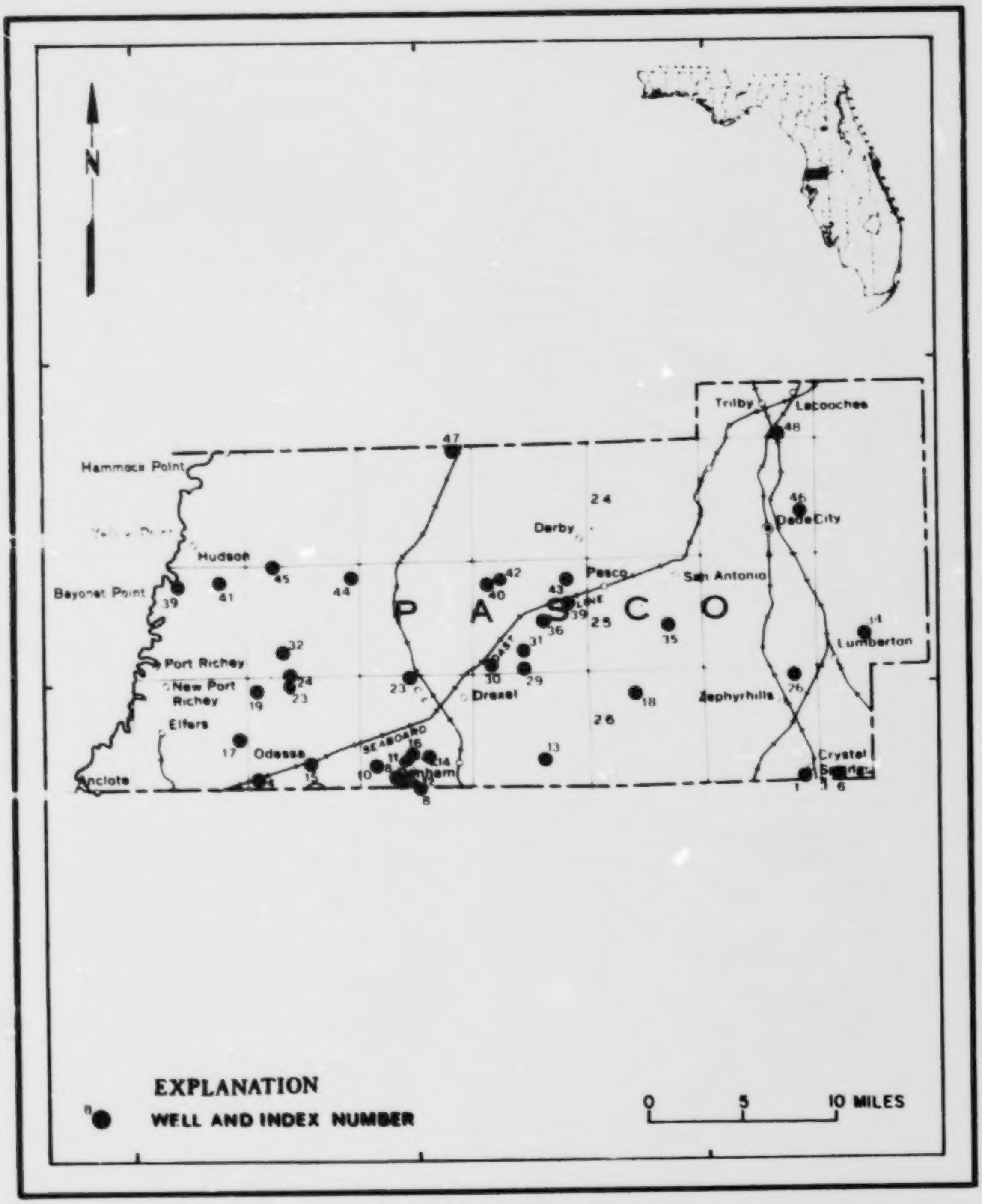
N
Hammock Point
Hudson
Bayonet Point
Port Richey
New Port Richey
Elfers
Anclote
Odessa
SEABOARD
COAST LINE
Drexel
Derby
Pasco
San Antonio
Trilby
Lacoochee
Dade City
Lumberton
Zephyrhills
Crystal Springs
P A S C O
EXPLANATION
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 14. Location of wells in Pasco County

PASCO COUNTY

WELL NUMBER.--281018082095801. Lois Carver Well at Crystal Springs, FL.

LOCATION.--Lat 28°10'18", long 82°09'58", in SE¼SW¼ sec.36, T.26 S., R.21 E., Hydrologic Unit 03100205, 30 ft north of County Line Road, 0.6 mi west of State Highway 39, and 0.8 mi southwest of town of Crystal Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused domestic, artesian well diameter 2 in, depth 105 ft, cased to 60 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, at land-surface datum.

DATUM.--Altitude of land-surface datum is 65 ft, from topographic map.

PERIOD OF RECORD.--May 1973 to September 1977 (semiannually); October 1977 to March 1984 (bimonthly), discontinued. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.87 ft NGVD, Sept. 19, 1979; lowest measured, 56.16 ft NGVD, July 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1245	60.69	MAR 01...	1426	62.32
JAN 16...	1302	62.50			

WELL NUMBER.--281023082075701. Weicht Deep Well near Crystal Springs, FL.

LOCATION.--Lat 28°10'23", long 82°07'57", in SE¼SW¼ sec.32, T.26 S., R.22 E., Hydrologic Unit 03100205, 1.5 mi east of State Highway 39, and 1.8 mi southeast of town of Crystal Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in, depth 100 ft, cased to 60 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 90 ft, from topographic map.

PERIOD OF RECORD.--May 1973 to September 1977 (semiannually); October 1977 to current year (bimonthly), incomplete. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.78 ft NGVD, Sept. 19, 1973; lowest measured, 73.86 ft NGVD, July 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1330	81.30	MAY 16...	0900	80.57
JAN 16...	1231	83.61	JUL 03...	0841	80.38
MAR 01...	1408	82.96	SEP 14...	1043	81.11

PASCO COUNTY

WELL NUMBER.--281025082384601. Eldridge-Wilde Mitchell Well near Tarpon Springs, FL.

LOCATION.--Lat 28°10'25", long 82°38'46", in SW¼SW¼ sec.31, T.26 S., R.17 E., Hydrologic Unit 03100207, 2.1 mi north of State Highway 582, and 7.0 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused artesian well, diameter 10 in, depth 608 ft, cased to 42 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of extension, 1.76 ft above land-surface datum.

DATUM.--Land-surface datum is 36.42 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--November 1972 to July 1974, incomplete; December 1974 to September 1975 (quarterly), incomplete; October 1975 to June 1977 (monthly); July 1977 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.49 ft NGVD, Oct. 8, 1982; lowest, 5.07 ft NGVD, May 18, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.01	20.74	18.67	22.94	21.98	16.41	22.82	13.28	10.62	20.13	17.60	21.39
10	16.46	19.43	22.15	24.42	22.57	16.73	22.98	12.63	8.96	18.89	14.46	15.73
15	21.85	18.86	22.84	18.96	21.71	19.73	23.15	10.24	17.83	20.57	14.88	15.99
20	22.70	21.98	23.92	24.04	21.46	16.91	18.08	9.21	19.42	20.68	22.14	21.32
25	22.20	21.88	23.90	19.65	22.44	20.62	14.97	13.82	18.08	23.72	20.82	15.89
EOM	20.36	21.65	21.44	22.35	18.65	14.79	11.97	16.63	18.86	23.97	14.14	19.97
MAX	23.30	22.20	24.20	24.54	23.28	22.23	23.85	20.38	19.43	23.97	23.31	21.96

WTR YR 1984 MAX 24.54

WELL NUMBER.--281037082071801. J. Alston Well near Crystal Springs, FL.

LOCATION.--Lat 28°10'37", long 82°07'18", in NW¼SW¼ sec.33, T.26 S., R.22 E., Hydrologic Unit 03100205, 2.3 mi east of State Highway 39, and 2.3 mi east of Crystal Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused domestic, artesian well, diameter 2 in, depth 55 ft, cased to 47 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 0.50 ft above land-surface datum.

DATUM.--Land-surface datum is 94.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby industrial wells.

PERIOD OF RECORD.--September 1962 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.33 ft NGVD, Sept. 24, 1962; lowest measured, 80.52 ft NGVD, July 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 04...	1300	87.91	MAY 16...	0918	87.70
JAN 16...	1245	89.81	JUL 02...	1245	85.54
MAR 01...	1416	89.49	SEP 14...	1010	88.12

PASCO COUNTY

WELL NUMBER.--281053082310401. St. Petersburg Deep Well 105 near Land O'Lakes, FL.

LOCATION.--Lat 28°10'53", long 82°31'04", in SW¼NW¼ sec.33, T.26 S., R.18 E., Hydrologic Unit 03100207, 1.2 mi south of State Highway 54, and 3.2 mi west of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,360 ft, cased to 1,012 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.60 ft above land-surface datum.

DATUM.--Land-surface datum is 58.45 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1973 to September 1981; October 1981 to May 1983 (monthly); May 1983 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 52.10 ft NGVD, Feb. 10, 1973; lowest, 32.76 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.07	42.60	42.50	45.39	45.01	45.24	44.65	40.80	40.45	42.57	45.96	39.29
10	43.03	42.60	42.53	45.27	44.46	44.78	44.77	40.71	39.01	43.39	45.64	43.75
15	43.63	42.50	42.94	45.53	44.87	44.73	44.51	40.32	41.33	43.81	45.31	44.10
20	44.30	42.20	44.67	45.58	44.64	44.43	44.08	39.29	41.95	42.31	45.87	43.57
25	43.90	42.80	44.11	45.60	44.85	44.21	43.85	41.32	42.79	43.74	45.60	45.94
EOM	43.20	42.50	44.49	44.87	45.15	44.48	43.34	42.26	42.34	45.16	39.21	43.68
MAX	45.81	43.00	44.83	45.64	45.15	45.30	45.67	43.29	42.79	45.16	46.70	45.94

WTR YR 1984 HIGH 46.70 AUG 24

WELL NUMBER.--281053082310402. St. Petersburg Shallow Well 105 near Land O'Lakes, FL.

LOCATION.--Lat 28°10'53", long 82°31'04", in SW¼NW¼ sec.33, T.26 S., R.18 E., Hydrologic Unit 03100207, 1.2 mi south of State Highway 54, and 3.2 mi west of Land O'Lakes.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 20 ft, cased to 18 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 57.82 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 59.18 ft NGVD, Sept. 24, 26, 27, 1979; lowest, 52.23 ft NGVD, May 27, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.41	55.95	56.35	57.43	57.42	57.77	57.87	56.51	55.42	57.42	57.44	56.38
10	56.19	56.00	56.16	57.95	57.28	57.68	57.82	56.16	55.10	56.96	57.10	56.09
15	57.31	55.65	57.33	57.61	57.59	57.74	57.80	55.68	56.85	56.79	57.53	55.55
20	56.85	55.60	57.34	57.83	57.40	57.65	57.33	55.16	56.10	56.00	57.62	56.15
25	56.71	56.25	56.91	57.65	57.54	57.46	57.09	56.43	56.02	56.76	57.07	55.40
EOM	56.05	56.25	57.66	57.45	57.85	57.35	56.94	56.06	56.94	57.81	56.74	55.25
MAX	57.33	56.40	57.98	57.95	57.99	58.00	57.94	57.21	57.10	57.81	57.87	56.74

WTR YR 1984 HIGH 58.00 MAR 13

WELL NUMBER.--281101082292501. Harry Matts Deep Well near Land O'Lakes, FL.

LOCATION.--Lat 28°11'01", long 82°29'25", in NW¼NE¼ sec.34, T.26 S., R.18 E., Hydrologic Unit 03100207, 1.5 mi west of U. S. Highway 41, and 3.2 mi southwest of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in, depth 60 ft, cased to 59 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 68.03 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1972 to September 1976 (semiannually); October 1976 to September 1977 (bimonthly); October 1977 to September 1978 (monthly); October 1978 to current year (bimonthly). Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.32 ft NGVD, Apr. 7, 1983; lowest measured, 54.41 ft NGVD, May 13, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUN		
05...	1235	59.87	06...	1104	59.43
DEC			AUG		
08...	1120	59.44	01...	1156	59.18
FEB			SEP		
09...	0814	60.39	10...	1533	59.61
MAR			13...	0921	59.64
27...	1026	60.38			
MAY					
14...	1553	59.88			

WELL NUMBER.--281101082292502. Harry Matts Shallow Well near Land O'Lakes, FL.

LOCATION.--Lat 28°11'01", long 82°29'25", in NW¼NE¼ sec.34, T.26 S., R.18 E., Hydrologic Unit 03100207, 1.5 mi west of U. S. Highway 41, and 3.2 mi southwest of Land O'Lakes.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 10.4 ft, cased to 8 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adapter, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 68.09 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1972 to September 1976 (semiannually); October 1976 to current year (bimonthly), incomplete. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.45 ft NGVD, Sept. 19, 1979; well observed dry at times some years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUN		
05...	1230	63.16	06...	1103	62.56
DEC			AUG		
08...	1125	62.41	01...	1054	64.44
FEB			SEP		
09...	0810	63.79	10...	1536	62.72
MAR			13...	0926	62.65
27...	1023	64.09			
MAY					
14...	1555	62.96			

PASCO COUNTY

WELL NUMBER.--281117082291501. Pasco Deep Well 207 near Land O'Lakes, FL.

LOCATION.--Lat 28°11'17", long 82°29'15", in SE¼SE¼ sec.27, T.26 S., R.18 E., Hydrologic Unit 03100207, on Henley Road, 0.6 mi south of State Highway 54, and 2.9 mi southwest of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 6 in, depth 173 ft cased to 72 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Access hole in pump base, 1.20 ft above land-surface datum.

DATUM.--Land-surface datum is 70.14 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation and public supply wells.

PERIOD OF RECORD.--February 1970 to September 1972 (about twice yearly); January 1973 to current year (monthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.06 ft NGVD, Feb. 18, 1970; lowest measured, 52.16 ft NGVD, May 12, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
05...	1220	59.26	14...	1544	57.33
26...	0904	59.14	JUN		
DEC			06...	1110	57.11
08...	1115	58.89	JUL		
JAN			02...	0925	58.03
09...	0950	59.81	AUG		
FEB			01...	1108	59.98
09...	0830	59.78	SEP		
MAR			05...	1016	58.67
01...	1120	60.34	10...	1524	58.72
27...	1035	59.76	13...	1000	58.48
MAY					
08...	1057	58.10			

WELL NUMBER.--281120082245501. ROMP 80 Shallow Well near Lutz, FL.

LOCATION.--Lat 28°11'20", long 82°24'55", in SE¼SW¼ sec.28, T.26 S., R.19 E., Hydrologic Unit 03100205, 0.2 mi north of State Highway 54, and 4.0 mi northeast of Lutz.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 18.5 ft, cased to 8.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.60 ft above land-surface datum.

DATUM.--Land-surface datum is 80.55 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.37 ft NGVD, Oct. 11, 1979; lowest, 67.45 ft NGVD, June 15, 16, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.34	71.74	71.17	72.66	72.62	72.94	72.02	71.61	70.93	70.66	71.94	71.93
10	72.10	71.63	71.10	72.68	72.41	72.89	72.11	71.48	70.82	70.90	72.09	71.81
15	72.12	71.51	71.03	72.60	72.30	72.67	72.08	71.36	70.71	70.88	72.02	71.63
20	72.05	71.39	71.85	72.63	72.39	72.45	71.94	71.23	70.84	70.70	71.85	71.46
25	71.99	71.30	72.20	72.70	72.68	72.25	71.84	71.14	70.83	70.57	71.94	71.30
EOM	71.85	71.23	72.36	72.71	72.81	72.07	71.73	71.03	70.68	71.06	72.00	71.21
MAX	72.59	71.83	72.36	72.72	72.81	72.95	72.11	71.70	71.01	71.06	72.10	71.99

WTR YR 1984 MAX 72.95

PASCO COUNTY

WELL NUMBER.--281124082353001. Swains Well at Odessa, FL.

LOCATION.--Lat 28°11'24", long 82°35'30", in SW¼SE¼ sec.27, T.26 S., R.17 E., Hydrologic Unit 03100207, 0.3 mi south of Odessa, and 7.7 mi west of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in, depth 316 ft, cased to 65 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 3.70 ft above land-surface datum.

DATUM.--Land-surface datum is 50.69 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--August 1963 to November 1967, incomplete; July 1969 to September 1981, incomplete; October 1981 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 42.08 ft NGVD, Sept. 30, 1979; lowest, 31.16 ft NGVD, May 9, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
05...	0945	32.69	08...	1030	36.68
26...	0930	39.54	14...	0819	36.27
DEC			JUN		
07...	0815	39.10	06...	0910	37.55
JAN			JUL		
09...	0923	40.10	02...	0955	37.87
FEB			AUG		
08...	1135	39.42	01...	0837	39.51
MAR			SEP		
01...	1045	40.23	10...	0930	38.85
28...	1208	39.56	13...	0843	38.41

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281143082304702. State Highway 54 Deep Well near Land O'Lakes, FL.

LOCATION.--Lat 28°11'43", long 82°30'47", in SE¼NW¼ sec.28, T.26 S., R.18 E., Hydrologic Unit 03100207, 25 ft north of State Highway 54, and 2.9 mi west of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 345 ft, cased to 178 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of nipple, 2.50 ft above land-surface datum. Prior to Oct. 1, 1977, top of recorder shelter floor, 2.64 ft above land-surface datum.

DATUM.--Land-surface datum is 59.40 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--January 1965 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 57.28 ft NGVD, Aug. 31, 1967; lowest, 37.35 ft NGVD, Apr. 25, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.55	47.37	47.48	49.00	48.94	49.24	49.41	45.78	45.26	47.76	50.58	48.59
10	47.89	47.38	47.46	49.03	49.01	48.79	49.84	45.09	44.12	47.77	49.99	48.65
15	48.61	47.12	48.01	49.22	49.51	49.40	49.56	44.73	45.83	47.89	49.09	47.36
20	48.38	47.08	49.42	49.34	49.25	49.01	47.57	44.42	46.43	46.77	50.30	48.66
25	48.08	47.51	49.43	49.26	49.55	48.86	47.83	45.46	46.99	48.28	49.19	47.28
EOM	47.52	47.48	49.83	49.69	49.27	48.46	47.39	47.21	46.51	49.86	48.30	48.67
MAX	49.44	47.61	49.93	50.00	49.56	49.50	50.35	47.31	46.99	49.86	50.73	49.04

WTR YR 1984 HIGH 50.73 AUG 24

WELL NUMBER.--281143082304703. State Highway 54 Shallow Well near Land O'Lakes, FL.

LOCATION.--Lat 28°11'43", long 82°30'47", in SE¼NW¼ sec.28, T.26 S., R.18 E., Hydrologic Unit 03100207, 30 ft north of State Highway 54, and 2.9 mi west of Land O'Lakes.

AQUIFER.--Nonartesian sand aquifer of the Tertiary System, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 5 ft, cased to 3 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.99 ft above land-surface datum.

DATUM.--Land-surface datum is 59.54 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1965 to December 1973 (bimonthly), incomplete; March 1974 to current year (monthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.67 ft NGVD, Oct. 4, 1982; well observed dry at times some years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
15...	1215	57.69	14...	1520	56.82
26...	0914	58.07	JUN		
DEC			06...	1045	56.72
08...	1035	57.88	JUL		
JAN			02...	0940	57.63
09...	0937	59.19	AUG		
FEB			01...	1037	57.97
09...	0838	58.59	SEP		
MAR			05...	1050	57.95
01...	1100	59.30	10...	1456	57.69
27...	1047	58.52	13...	0905	57.45
MAY					
08...	1044	57.26			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281222082393401. Seven Springs Deep Well near Elfers, FL.

LOCATION.--Lat 28°12'22", long 82°39'34", in NE¼SW¼ sec.24, T.26 S., R.16 E., Hydrologic Unit 03100207, 20 ft north of State Highway 54, and 4.1 mi east of Elfers.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 301 ft, cased to 76 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 2.39 ft above land-surface datum. Prior to July 27, 1976, top of 6 in casing, 2.40 ft above land-surface datum; July 27, 1976, to June 7, 1977, top of recorder shelter floor, 2.43 ft above land-surface datum.

DATUM.--Land-surface datum is 34.42 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--July 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.43 ft NGVD, Sept. 27, 1979; lowest, 14.98 ft NGVD, May 31, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.72	21.19	21.38	23.04	22.38	21.99	22.14	19.60	18.69	21.32	22.55	21.61
10	20.27	21.49	21.32	23.10	22.07	21.25	22.58	18.61	17.63	21.23	21.26	21.71
15	22.21	21.14	22.27	23.22	22.44	21.96	21.84	18.24	18.58	21.74	20.49	20.43
20	22.40	21.35	22.81	23.35	21.32	21.17	21.17	17.78	20.29	21.44	21.76	21.53
25	22.14	21.63	22.43	22.78	22.46	21.64	20.77	20.21	20.31	22.28	22.09	20.42
EOM	21.55	21.58	23.38	22.62	22.92	21.21	19.35	21.32	20.22	22.98	20.90	21.34
MAX	22.71	21.78	23.38	23.47	22.92	22.98	22.59	21.32	21.08	22.98	22.86	22.49

WTR YR 1984 MAX 23.47

WELL NUMBER.--281222082393403. Seven Springs Shallow Well near Elfers, FL.

LOCATION.--Lat 28°12'22", long 82°39'34", in NE¼SW¼ sec.24, T.26 S., R.16 E., Hydrologic Unit 03100207, 20 ft north of State Highway 54, and 4.1 mi east of Elfers.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 11 ft, cased to 9 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 35.04 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Prior to November 1972, data collected at adjacent well, diameter 1.25 in, depth 5 ft. Extremes may have been exceeded prior to December 1972.

PERIOD OF RECORD.--July 1968 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.78 ft NGVD, Jan. 6, 1970; lowest measured, 27.33 ft NGVD, May 22, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
04...	1149	31.55	18...	0841	30.55
DEC			JUN		
07...	1127	30.95	11...	1218	30.54
FEB			AUG		
07...	1213	31.36	14...	1125	31.19
APR			SEP		
03...	1153	31.26	13...	0930	31.81

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281424082192701. ROMP 85 Avon Park Well near Zephyrhills, FL.

LOCATION.--Lat 28°14'24", long 82°19'27", in SE¼NE¼ sec.8, T.26 S., R.20 E., Hydrologic Unit 03100205, 30 ft south of State Highway 54, and 9.0 mi west of Zephyrhills.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 505 ft, cased to 450 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.39 ft above land-surface datum.

DATUM.--Land-surface datum is 107.94 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 83.52 ft NGVD, Sept. 30, Oct. 1, 1979; lowest, 71.01 ft NGVD, May 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	80.69	79.45	79.39	81.07	81.21	81.55	80.71	78.32	77.60	77.74	80.13	79.28
10	80.15	79.87	79.48	81.40	80.05	80.68	81.18	78.17	76.44	78.41	79.90	79.61
15	81.03	79.39	80.11	81.70	80.65	80.99	80.85	77.72	76.52	78.97	79.47	78.52
20	81.00	79.40	80.72	81.81	81.05	80.93	80.32	76.70	77.05	79.16	79.21	78.43
25	80.69	79.84	80.48	81.91	81.35	80.63	79.97	77.93	77.10	79.42	80.28	78.04
EOM	79.95	79.77	80.05	81.46	81.20	80.41	78.74	78.45	77.33	79.54	79.88	78.41
MAX	81.62	79.93	80.73	81.93	81.40	81.55	81.21	78.71	78.23	79.65	80.42	79.82

WTR YR 1984 HIGH 81.93 JAN 24

WELL NUMBER.--281424082192702. ROMP 85 Floridan Well near Zephyrhills, FL.

LOCATION.--Lat 28°14'24", long 82°19'27", in SE¼NE¼ sec.8, T.26 S., R.20 E., Hydrologic Unit 03100205, 40 ft south of State Highway 54, and 9.0 mi west of Zephyrhills.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 300 ft, cased to 160 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of PVC cap, 3.53 ft above land-surface datum. Prior to Mar. 7, 1984, top of recorder shelter floor.

DATUM.--Land-surface datum is 108.09 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1979 to September 1983; October 1983 to September 1984 (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 84.22 ft NGVD, Oct. 1, 1979; lowest, 71.61 ft NGVD, May 16, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
02...	1025	80.29	18...	1005	77.73
30...	1045	80.49	JUN		
JAN			07...	0900	77.68
03...	1330	81.75	25...	0815	77.74
MAR			AUG		
06...	1010	82.37	07...	1055	81.82
APR			27...	0855	81.08
03...	0910	80.86	SEP		
MAY			14...	1215	79.32
08...	0905	78.98			

PASCO COUNTY

WELL NUMBER.--281448082301801. Bexley Well 2 near Drexel, FL.

LOCATION.--Lat 28°14'48", long 82°30'18", in SE¼SE¼ sec.4, T.26 S., R.18 E., Hydrologic Unit 03100207, 2.0 mi west of U. S. Highway 41, and 2.8 mi west of Drexel.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 743 ft, cased to 44 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.12 ft above land-surface datum. Prior to Mar. 6, 1984, top of shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 67.43 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation and public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--November 1969 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 63.96 ft NGVD, Sept. 27, 1979; lowest, 55.67 ft NGVD, July 15, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.62	61.43	61.60	62.91	62.44	62.79	62.81	61.21	60.30	62.11	62.87	62.04
10	61.93	61.75	61.68	63.00	62.17	62.32	62.92	60.88	59.83	62.09	62.74	62.11
15	62.37	61.43	62.45	63.03	62.78	62.59	62.61	60.58	60.33	61.97	62.58	61.65
20	62.15	61.35	62.67	63.10	62.53	62.26	62.21	60.25	60.85	61.68	62.76	61.48
25	61.94	60.77	62.28	62.92	62.80	62.18	61.77	60.75	61.47	61.72	63.00	61.17
EOM	61.55	61.65	63.04	62.57	63.07	62.14	61.54	60.71	61.64	62.76	62.31	61.67
MAX	62.47	61.75	63.04	63.10	63.07	63.02	62.92	61.52	61.64	62.76	63.27	62.30

WTR YR 1984 HIGH 63.27 AUG 23

WELL NUMBER.--281451082380701. Starkey Deep Well 10 near Odessa, FL.

LOCATION.--Lat 28°14'51", long 82°38'07", in SE¼SE¼ sec.6, T.26 S., R.17 E., Hydrologic Unit 03100207, 4.5 mi northwest of Odessa, and 5.2 mi east of New Port Richey.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 392 ft, cased to 153 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 0.45 ft above land-surface datum.

DATUM.--Land-surface datum is 41.16 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--August 1974 to February 1975 (fragmentary); March 1975 to September 1984 (discontinued). Prior to October 1978, published as Starkey Deep Well 10 near New Port Richey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.10 ft NGVD, Oct. 7, 1975; lowest, 24.25 ft NGVD, Dec. 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.22	28.68	28.43	29.69	29.62	30.22	29.92	28.85	28.45	30.15	31.02	30.15
10	28.95	28.72	28.39	29.73	29.37	29.87	30.09	28.54	27.97	30.45	30.63	30.34
15	29.25	28.45	28.81	29.83	29.74	29.90	29.97	28.30	28.10	30.65	30.29	29.89
20	29.18	28.52	29.19	29.93	29.65	29.63	29.84	28.10	28.35	30.40	30.28	29.79
25	28.97	28.49	29.10	29.81	29.70	29.72	29.39	28.55	29.04	30.49	30.21	29.48
EOM	28.78	28.55	29.49	29.76	30.19	29.60	29.14	28.95	29.13	31.13	29.87	29.73
MAX	29.59	28.74	29.49	29.93	30.19	30.26	30.13	29.06	29.13	31.13	31.15	30.47

WTR YR 1984 HIGH 31.15 AUG 2

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281504082104801. ROMP 86 Deep Well near Zephyrhills, FL.

LOCATION.--Lat 28°15'04", long 82°10'48", in NE¼SW¼ sec.2, T.26 S., R.21 E., Hydrologic Unit 03100205, 15 ft west of 12th Street, 190 ft south of State Highway 54, and 1.3 mi north of Zephyrhills.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 434 ft, cased to 425 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 87.20 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.66 ft NGVD, Oct. 20, 21, 22, 23, 24, 25, 1979; lowest, 64.08 ft NGVD, Feb. 15, 16, 17, 18, 19, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.55	70.55	70.33	70.12	70.07	70.04	70.13	70.15	69.84	69.36	69.28	69.25
10	70.56	70.52	70.30	70.10	70.05	70.08	70.16	70.11	69.76	69.33	69.28	69.23
15	70.57	70.49	70.25	70.09	70.03	70.10	70.17	70.07	69.68	69.31	69.28	69.21
20	70.59	70.46	70.22	70.08	70.01	70.13	70.18	70.00	69.59	69.30	69.29	69.18
25	70.59	70.43	70.19	70.07	70.00	70.13	70.18	69.94	69.50	69.29	69.28	69.15
EOM	70.57	70.40	70.15	70.08	70.01	70.14	70.17	69.89	69.42	69.29	69.26	69.11
MAX	70.59	70.57	70.39	70.14	70.08	70.14	70.18	70.16	69.89	69.40	69.29	69.26

WTR YR 1984 MAX 70.59

PASCO COUNTY

WELL NUMBER.--281558082264601. Pasco Well 13 near Drexel, FL.

LOCATION.--Lat 28°15'58", long 82°26'46", in SE¼NW¼ sec.31, T.25 S., R.19 E., Hydrologic Unit 03100205, 300 ft southeast of State Highway 583, and 1.9 mi northeast of Drexel.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in, depth 49 ft, cased to 43 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.19 ft above land-surface datum.

DATUM.--Land-surface datum is 80.54 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March to September 1934 (semiannually); February 1936 to April 1950 (monthly); June 1951 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 77.24 ft NGVD, Mar. 18, 1960; lowest, 69.84 ft NGVD, May 23, 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.47	73.33	73.00	74.52	73.86	74.50	74.41	73.04	72.05	74.19	74.61	73.75
10	73.57	73.31	72.97	74.63	73.59	74.13	74.45	72.30	71.79	74.29	74.17	73.63
15	74.50	73.09	73.93	74.54	74.59	74.20	74.06	72.62	71.90	74.11	74.04	73.32
20	74.08	73.13	73.94	74.60	74.26	73.90	73.76	72.30	72.03	73.70	74.03	73.17
25	73.91	73.24	73.69	74.37	74.44	73.73	73.47	72.41	72.62	74.37	74.76	72.89
EOM	73.52	73.10	74.87	74.03	74.97	73.69	73.26	72.27	72.89	74.90	74.19	73.24
MAX	74.50	73.48	74.88	74.77	74.98	74.86	74.45	73.20	72.89	74.90	75.07	74.09

WTR YR 1984 HIGH 75.07 AUG 22

WELL NUMBER.--281622082241301. Cypress Creek Deep Well 3 near Ehren, FL.

LOCATION.--Lat 28°16'22", long 82°24'13", in NE¼NE¼ sec.33, T.25 S., R.19 E., Hydrologic Unit 03100205, 2.7 mi east of Ehren, and 6.6 mi south of Darby.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 352 ft, cased to 136 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 64.48 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1974 to current year. Prior to October 1977, published as Cypress Creek Deep Well 3 near Darby.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 63.68 ft NGVD, Sept. 10, 1974; lowest, 48.44 ft NGVD, Nov. 13, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.20	55.11	53.78	57.28	57.24	57.30	57.39	54.39	51.88	56.62	57.20	57.86
10	54.93	54.80	54.37	57.23	56.34	57.52	57.12	53.84	50.96	57.70	56.70	55.83
15	55.15	54.83	55.08	57.38	56.89	56.99	56.97	53.98	50.48	57.50	57.40	55.61
20	55.20	54.72	55.79	58.20	57.46	56.58	56.02	53.43	53.10	57.40	57.40	54.74
25	54.88	54.37	55.60	57.67	57.29	56.82	56.25	52.84	54.33	57.40	57.00	54.15
EOM	54.99	54.54	57.50	57.74	58.11	56.90	55.91	52.36	54.72	57.60	56.74	53.66
MAX	57.21	55.55	57.60	58.50	58.41	58.14	57.47	55.86	54.72	57.80	57.70	57.86

WTR YR 1984 HIGH 58.50 JAN 17

NOTE.--Record estimated Dec. 21 to Jan. 3, Jan. 18-23, July 11 to Aug. 27.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281636082372001. Moon Lake Deep Well near New Port Richey, FL.

LOCATION.--Lat 28°16'36", long 82°37'20", in NW¼SE¼ sec.29, T.25 S., R.17 E., Hydrologic Unit 03100207, 5.9 mi east of New Port Richey, and 6.1 mi north of Odessa.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 115 ft, cased to 65 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.85 ft above land-surface datum. Prior to July 8, 1976, top of recorder shelter floor, 3.82 ft above land-surface datum.

DATUM.--Land-surface datum is 38.32 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1966 to September 1981; October 1981 to May 1983 (monthly), incomplete; May to September 1983. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.93 ft NGVD, Aug. 5, 1974; lowest, 28.07 ft NGVD, July 15, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.42	30.71	30.58	31.71	31.36	32.00	31.89	30.89	30.87	32.78	32.90	32.60
10	31.22	30.81	30.51	31.78	31.22	31.74	31.89	30.89	30.57	32.85	32.68	32.40
15	31.32	30.63	31.12	31.71	31.61	31.68	31.68	30.62	30.58	32.95	32.55	32.05
20	31.12	30.75	31.36	31.76	31.47	31.55	31.47	30.42	31.00	32.90	32.45	31.86
25	30.99	30.77	31.24	31.67	31.70	31.46	31.25	30.88	32.09	32.90	32.31	31.60
EOM	30.82	30.69	31.83	31.49	32.15	31.40	31.07	31.29	31.94	33.05	32.02	31.82
MAX	31.60	30.85	31.83	31.81	32.16	32.14	31.90	31.37	32.16	33.05	33.05	32.68

WTR YR 1984 MAX 33.05

NOTE.--Record estimated July 6 to Aug. 8.

WELL NUMBER.--281636082372002. Moon Lake Shallow Well near New Port Richey, FL.

LOCATION.--Lat 28°16'36", long 82°37'20", in NW¼SE¼ sec.29, T.25 S., R.17 E., Hydrologic Unit 03100207, 5.9 mi east of New Port Richey, and 6.1 mi north of Odessa.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 25 ft, cased to 22 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.35 ft above land-surface datum. Prior to July 8, 1976, top of recorder shelter floor, 3.37 ft above land-surface datum.

DATUM.--Land-surface datum is 38.32 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1966 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.70 ft NGVD, Aug. 7, 1974; lowest, 28.57 ft NGVD, Dec. 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.80	31.85	31.39	32.56	32.54	33.06	32.55	32.29	32.03	33.31	35.01	33.57
10	32.55	31.75	31.32	32.56	32.42	33.04	32.79	32.13	31.94	33.86	34.75	33.80
15	32.45	31.50	31.44	32.57	32.32	32.94	32.81	31.97	31.78	34.46	34.42	33.69
20	32.25	31.70	31.81	32.59	32.35	32.81	32.74	31.81	31.68	34.51	34.16	33.47
25	32.05	31.65	32.01	32.63	32.46	32.69	32.60	31.68	32.51	34.43	34.03	33.24
EOM	31.90	31.45	32.24	32.62	32.77	32.57	32.44	31.98	32.97	34.97	33.77	33.08
MAX	32.92	31.90	32.24	32.64	32.77	33.06	32.81	32.42	32.97	34.97	35.04	33.80

WTR YR 1984 MAX 35.04

NOTE.--Record estimated Oct. 4-31, Nov. 1-30.

PASCO COUNTY

WELL NUMBER.--281654082065901. Local Number 816-206-01. U.S. Highway 98 Well near Dade City, FL.

LOCATION.--Lat 28°16'54", long 82°06'59", in SW¼SE¼NW¼ sec.28, T.25 S., R.22 E., Hydrologic Unit 03100208, on north side of U.S. Highway 98, 2.9 mi north of intersection of State Highway 54, and 7.8 mi southeast of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 3 in, depth 200 ft, cased to 41 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.24 ft above land-surface datum.

DATUM.--Land-surface datum is 85.63 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1976, January 1977 to current year (bimonthly). Records of water levels prior to January 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.37 ft NGVD, Sept. 20, 1979; lowest measured, 72.81 ft NGVD, June 30, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET)
OCT 18...	1138	78.66	MAY 14...	0955	76.23
DEC 02...	1200	78.01	JUN 22...	1000	75.88
JAN 26...	1300	79.04	AUG 08...	1240	77.57
MAR 20...	1025	78.58	SEP 11...	1300	76.74

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281715082164401. State Highway 577 Well near San Antonio, FL.

LOCATION.--Lat 28°17'15", long 82°16'44", in NE¼NW¼ sec.26., T.25 S., R.20 E., Hydrologic Unit 03100205, 21 ft west of State Highway 577, and 3.1 mi south of San Antonio.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 150 ft, cased to 57 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.75 ft above land-surface datum.

DATUM.--Land-surface datum is 130.01 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--August 1964 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 97.01 ft NGVD, Sept. 20, 1964; lowest, 79.60 ft NGVD, May 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	95.38	94.13	93.31	94.07	95.11	95.02	94.28	92.45	91.29	90.62	93.22	92.72
10	94.88	93.70	93.24	94.73	93.33	94.99	94.66	92.39	90.20	91.02	93.33	92.97
15	95.15	93.74	93.63	95.01	94.30	94.96	94.70	91.75	90.20	91.66	93.23	91.92
20	94.96	93.47	94.00	95.23	94.67	95.06	94.38	90.80	90.30	92.13	93.13	91.83
25	94.97	93.62	93.36	95.55	94.97	94.40	94.12	91.04	90.00	92.29	93.65	91.89
EOM	94.65	93.52	91.78	95.35	94.98	94.29	93.23	91.61	90.18	92.53	93.67	91.85
MAX	96.28	94.63	94.13	95.59	95.20	95.18	94.70	93.22	91.60	92.53	93.78	93.45

WTR YR 1984 MAX 96.28

WELL NUMBER.--281715082164402. State Highway 577 Shallow Well near San Antonio, FL.

LOCATION.--Lat 28°17'15", long 82°16'44", in NE¼NW¼ sec.26, T.25 S., R.20 E., Hydrologic Unit 03100205, 21 ft west of State Highway 577, and 3.1 mi south of San Antonio.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 SAND.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 20.7 ft, cased to 17.7 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of nipple, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 129.78 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1970 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126.39 ft NGVD, Sept. 5, 1979; lowest measured, 113.99 ft NGVD, July 5, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 02...	1120	124.27	JUN 26...	0825	122.75
JAN 03...	1400	124.56	AUG 27...	0915	124.10
MAR 06...	1040	125.22	SEP 14...	1230	123.28
MAY 08...	0930	123.73			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281917082420901. ROMP TR 17-1 Deep Well at Bayonet Point, FL.

LOCATION.--Lat 28°19'17", long 82°42'09", in NE¼SE¼ sec.9, T.25, R.16 E., Hydrologic Unit 03100207, 0.2 mi west of U. S. Highway 19, and 0.7 mi southwest of Bayonet Point.

AQUIFER.--Suwannee limestone of Oligocene Age; Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 139 ft, cased to 131 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 9.18 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.19 ft NGVD, June 18, 1982, Mar. 24, 1983; lowest, 3.41 ft NGVD, Dec. 25, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.26	4.68	4.57	4.66	4.23	4.39	4.62	4.30	4.27	5.19	5.07	4.53
10	4.62	4.67	4.08	4.87	3.92	3.93	4.41	3.75	4.39	5.27	4.83	4.56
15	4.48	4.33	4.15	4.43	4.60	4.18	4.45	4.03	4.84	5.13	4.54	4.41
20	4.64	5.06	4.45	4.25	4.10	4.67	4.23	4.04	4.61	4.65	4.80	4.21
25	4.85	4.94	3.41	4.50	4.05	4.07	3.74	4.12	5.21	4.99	4.82	4.36
EOM	4.38	4.04	3.89	4.34	5.00	3.95	4.20	4.25	5.65	5.49	4.54	4.44
MAX	5.26	5.06	4.73	5.06	5.00	5.32	4.82	4.64	5.65	5.54	5.42	4.93

WTR YR 1984 MAX 5.65

WELL NUMBER.--281918082264601. State Highway 52 Well near Gowers Corner, FL.

LOCATION.--Lat 28°19'18", long 82°26'46", in NE¼SW¼ sec.7, T.25 S., R.19 E., Hydrologic Unit 03100207, 30 ft north of State Highway 52, and 3.3 mi east of Gowers Corner.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 73 ft, cased to 38 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.43 ft above land-surface datum.

DATUM.--Land-surface datum is 79.50 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--May 1965 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1978, published as State Highway 52 Well east of Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 77.93 ft NGVD, Dec. 10, 1969; lowest, 69.71 ft NGVD, June 18, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.53	75.88	75.57	76.40	75.80	76.35	76.72	75.10	74.16	76.32	76.34	76.40
10	75.97	75.90	75.57	76.89	76.55	76.07	76.71	75.23	73.86	76.47	75.91	75.94
15	76.54	75.62	76.49	76.53	76.20	76.27	76.33	74.74	74.60	76.26	76.53	75.50
20	76.04	76.18	76.25	76.40	76.39	76.33	75.84	74.42	74.42	76.06	76.42	75.91
25	76.04	75.97	75.89	76.11	76.64	75.97	75.55	74.87	75.60	75.88	76.33	75.32
EOM	75.54	75.88	76.77	75.99	76.40	75.82	75.31	74.58	76.20	76.92	75.81	75.86
MAX	76.54	76.21	77.05	76.89	77.03	76.68	76.78	75.32	76.22	76.92	76.93	76.45

WTR YR 1984 HIGH 77.05 DEC 29

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281918082264602. State Highway 52 Shallow Well near Gowers Corner, FL.

LOCATION.--Lat 28°19'18", long 82°26'46", in NE¼SW¼ sec.7, T.25 S., R.19 E., Hydrologic Unit 03100207, 30 ft north of State Highway 52, and 3.3 mi east of Gowers Corner.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 6.7 ft, cased to 5.7 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.43 ft above land-surface datum.

DATUM.--Land-surface datum is 79.50 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1978 to current year (bimonthly). Prior to October 1978, published as State Highway 52 Shallow Well east of Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.11 ft NGVD, July 8, 1982; well observed dry at times some years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUN		
02...	1325	75.69	26...	0925	75.93
JAN			AUG		
04...	1315	76.97	28...	0915	76.44
MAR			SEP		
06...	1210	76.81	14...	1335	75.82
MAY					
08...	1120	75.16			
18...	0840	74.83			

WELL NUMBER.--281922082403901. ROMP TR 17-3 Deep Well near Bayonet Point, FL.

LOCATION.--Lat 28°19'22", long 82°40'39", in NE¼SW¼ sec.11, T.25 S., R.16 E., Hydrologic Unit 03100207, 0.6 mi south of State Highway 52, and 1.5 mi east of Bayonet Point.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 200 ft, cased to 185 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 0.46 ft above land-surface datum. Prior to June 3, 1980, top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 30.17 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.25 ft NGVD, Sept. 29, 1979; lowest, 1.77 ft NGVD, Dec. 23, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.00	3.54	3.35	2.99	3.21	3.12	3.54	3.40	2.99	5.14	5.82	3.74
10	3.30	3.55	3.24	3.64	2.78	2.60	3.17	2.91	3.36	4.46	4.25	3.76
15	3.24	3.43	2.63	3.08	3.41	2.98	3.05	2.99	3.66	5.06	3.72	3.52
20	3.39	3.92	3.21	2.76	3.05	3.55	3.08	3.03	3.37	4.09	4.08	3.27
25	3.68	3.88	2.83	3.35	2.81	3.14	2.92	3.17	4.53	4.14	4.21	3.28
EOM	3.18	2.92	3.10	3.21	3.64	2.74	3.19	2.88	4.87	5.57	3.79	3.46
MAX	4.00	4.00	3.52	3.80	3.88	4.45	3.55	3.65	4.87	5.57	6.21	3.79

WTR YR 1984 HIGH 6.21 AUG 2

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281923082252201. ROMP 93 Deep Well near Gowers Corner, FL.

LOCATION.--Lat 28°19'23", long 82°25'22", in NE¼SE¼ sec.8, T.25 S., R.19 E., Hydrologic Unit 03100205, 50 ft north of State Highway 52, and 5.0 mi east of Gowers Corner.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 700 ft, cased to 149 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.34 ft above land-surface datum. Prior to Jan. 3, 1983, top of flange, 1.28 ft above land-surface datum.

DATUM.--Land-surface datum is 76.76 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 76.60 ft NGVD, Sept. 26, 1982; lowest, 67.61 ft NGVD, June 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.07	75.24	74.97	75.85	75.39	75.77	75.83	74.33	73.14	75.37	75.74	75.44
10	75.62	75.35	74.93	76.18	75.18	75.46	75.89	74.34	72.83	75.72	75.29	75.09
15	75.89	75.03	75.84	75.93	75.93	75.61	75.61	73.89	73.09	75.59	75.86	74.70
20	75.55	75.45	75.67	76.08	75.60	75.50	75.11	73.54	73.08	75.29	75.68	75.13
25	75.50	75.29	75.33	75.81	75.79	75.28	74.83	73.92	74.01	75.34	75.73	74.55
EOM	75.06	75.27	76.15	75.51	76.11	75.17	74.55	73.56	74.97	75.99	75.23	75.01
MAX	75.92	75.52	76.33	76.18	76.30	76.01	75.89	74.50	74.97	75.99	76.12	75.50

WTR YR 1984 HIGH 76.33 DEC 30

WELL NUMBER.--281923082252202. ROMP 93 Shallow Well near Gowers Corner, FL.

LOCATION.--Lat 28°19'23", long 82°25'22", in NE¼SE¼ sec.8, T.25 S., R.19 E., Hydrologic Unit 03100205, 50 ft north of State Highway 52, and 5.0 mi east of Gowers Corner.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 12 ft, cased to 6.2 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.78 ft above land-surface datum. Prior to Jan. 3, 1983, top of flange, 1.72 ft above land-surface datum.

DATUM.--Land-surface datum is 76.79 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 76.75 ft NGVD, Sept. 27, 28, 1984; lowest, 70.47 ft NGVD, June 1, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.03	76.34	75.71	76.10	75.80	76.06	76.33	73.91	72.92	76.68	76.27	76.63
10	76.28	76.13	75.75	76.69	75.55	75.77	76.37	74.16	72.65	76.64	75.69	75.73
15	76.51	76.16	76.63	76.25	76.26	76.07	76.47	73.43	73.10	76.17	76.68	75.24
20	75.92	76.69	76.16	76.51	76.07	76.50	75.51	73.13	73.46	76.21	76.62	76.12
25	76.06	76.21	75.80	76.16	76.12	75.79	74.62	73.87	75.30	76.58	76.19	75.06
EOM	75.28	76.17	76.34	75.85	76.30	75.72	74.17	73.42	76.34	76.71	75.78	76.02
MAX	76.68	76.69	76.73	76.69	76.73	76.66	76.74	74.63	76.69	76.71	76.72	76.75

WTR YR 1984 HIGH 76.75 SEP 27 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--281926082212901. Junction of State Highways 52 and 581 Well near Darby, FL.

LOCATION.--Lat 28°19'26", long 82°21'29", in NE¼SE¼ sec.12, T.25 S., R.19 E., Hydrologic Unit 03100205, 45 ft south of State Highway 52, 800 ft east of State Highway 581, and 2.6 mi south of Darby.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 113 ft, cased to 83 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.42 ft above land-surface datum.

DATUM.--Land-surface datum is 89.47 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1966 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 79.44 ft NGVD, Sept. 30, 1966; lowest, 65.20 ft NGVD, June 23, 24, 25, 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	76.16	75.06	74.84	76.37	75.88	76.36	75.71	74.19	72.73	72.20	73.80	74.20
10	76.05	75.22	74.76	76.43	75.36	75.93	75.99	73.90	72.38	72.65	73.90	74.05
15	76.15	75.04	75.55	76.55	76.01	75.98	75.71	73.62	72.07	72.90	73.85	74.20
20	76.09	74.85	75.77	76.52	75.99	75.68	75.41	73.21	71.75	73.20	73.80	74.37
25	75.83	75.15	75.51	76.56	76.19	75.51	75.02	73.18	71.65	73.30	74.25	74.23
EOM	75.32	74.89	76.32	76.12	76.48	75.35	74.46	73.14	71.90	73.65	74.45	74.59
MAX	76.42	75.32	76.32	76.56	76.48	76.46	75.99	74.33	73.06	73.65	74.45	74.59

WTR YR 1984 MAX 76.56

NOTE.--Record estimated June 17-21, June 26 to Sept. 17.

WELL NUMBER.--281926082212903. Junction of State Highways 52 and 581 Shallow Well near Darby, FL.

LOCATION.--Lat 28°19'26", long 82°21'29", in NE¼SE¼ sec.12, T.25 S., R.19 E., Hydrologic Unit 03100205, 45 ft south of State Highway 52, 800 ft east of State Highway 581, and 2.6 mi south of Darby.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 SAND.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 6 ft, cased to 4 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 0.50 ft above land-surface datum.

DATUM.--Land-surface datum is 89.75 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1965 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.92 ft NGVD, July 3, 1974; well observed dry at times some years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 02...	1145	85.52	MAY 08...	1050	84.74
JAN 04...	1055	87.65	AUG 27...	1010	86.96
MAR 06...	1110	86.91	SEP 14...	1300	85.36

PASCO COUNTY

WELL NUMBER.--281949082332001. State Highway 52 Deep Well near Fivay Junction, FL.

LOCATION.--Lat 28°19'49", long 82°33'20", in NW¼NE¼ sec.12, T.25 S., R.17 E., Hydrologic Unit 03100207, 20 ft south of State Highway 52, and 2.3 mi west of Fivay Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 73 ft, cased to 60 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.64 ft above land-surface datum.

DATUM.--Land-surface datum is 55.89 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1966 to current year, incomplete. Record of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1978, published as State Highway 52 Deep Well near Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.84 ft NGVD, Sept. 26, 1979; lowest, 49.96 ft NGVD, July 2, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.77	53.39	53.09	53.82	53.41	53.87	53.75	52.73	52.83	54.76	54.95	54.09
10	54.02	53.36	53.12	53.97	53.27	53.62	53.63	53.08	52.55	54.19	54.70	53.78
15	54.09	53.19	53.65	53.89	53.85	53.71	53.41	52.75	53.28	54.34	54.50	53.51
20	53.90	53.37	53.70	53.94	53.57	53.55	53.23	52.51	53.26	53.95	54.25	53.95
25	53.62	53.34	53.48	53.76	53.61	53.41	53.07	52.66	54.44	53.75	54.45	53.50
EOM	53.38	53.22	54.15	53.54	54.22	53.41	52.89	53.24	54.47	55.16	54.05	53.83
MAX	54.40	53.41	54.19	54.07	54.26	54.14	53.75	53.35	54.58	55.16	55.18	54.13

WTR YR 1984 HIGH 55.18 AUG 1

WELL NUMBER.--281949082332002. State Highway 52 Shallow Well near Fivay Junction, FL.

LOCATION.--Lat 28°19'49", long 82°33'20", in NW¼NE¼ sec.12, T.25 S., R.17 E., Hydrologic Unit 03100207, 20 ft south of State Highway 52, and 2.3 mi west of Fivay Junction.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 SAND.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 23.5 ft, cased to 20.5 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of cap, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 56.68 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1965 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1978, published as State Highway 52 Shallow Well near Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.46 ft NGVD, Mar. 11, 1970; lowest measured, 49.80 ft NGVD, June 1, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
01...	1318	53.29	05...	1249	54.92
JAN			AUG		
03...	1511	53.93	28...	1159	54.36
MAR			SEP		
01...	1122	54.12	11...	0925	53.74
MAY					
15...	1528	52.60			

PASCO COUNTY

WELL NUMBER.--282009082373801. State Highway 52 Deep Well near Hudson, FL.

LOCATION.--Lat 28°20'09", long 82°37'38", in NE¼SW¼ sec.5, T.25 S., R.17 E., Hydrologic Unit 03100207, 1.6 mi west of junction State Highways 52 and 587, and 5.0 mi southeast of Hudson.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 73 ft, cased to 59 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.46 ft above land-surface datum. Prior to Aug. 1, 1983, top of casing, 2.6 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 33 ft, from topographic map.

PERIOD OF RECORD.--January 1965 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.06 ft NGVD, Mar. 10, 1970; lowest measured, 22.18 ft NGVD, May 22, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 02...	1150	27.46	JUL 06...	1103	28.26
JAN 05...	1343	27.95	AUG 29...	0846	28.86
MAR 05...	1331	27.89	SEP 12...	0948	28.23
MAY 01...	1105	26.83			
15...	1600	27.06			

WELL NUMBER.--282147082113004. Local Number Pasco 821-211-213. Water Plant Well 4 at Dade City, FL.

LOCATION.--Lat 28°21'47", long 82°11'30", in NW¼SE¼SE¼ sec.27, T.24 S., R.21 E., Hydrologic Unit 03100208, at water plant on northeast corner of intersection of South 10th Street and East Church STREET NI Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 10 in, depth 116 ft, cased to 60 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of terra-cotta pipe, 2.37 ft above land-surface datum.

DATUM.--Land-surface datum is 116.50 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1962, June 1969, March 1973 to May 1976 (bimonthly), June 1976 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 74.07 ft NGVD, Oct. 16,17, 1979; lowest measured, 59.54 ft NGVD, June 4, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	69.60	71.28	70.00	68.26	67.32	69.62	71.07	71.01	69.37	70.55	70.97	71.06
10	70.43	71.03	69.50	68.26	67.56	69.80	71.35	70.77	69.80	70.87	70.90	71.32
15	70.99	71.03	69.32	67.53	67.95	69.97	71.23	70.45	69.98	71.19	70.85	71.61
20	71.30	70.80	69.33	67.37	68.62	70.31	71.45	69.77	69.88	71.04	70.78	72.01
25	71.44	70.49	68.86	67.50	68.96	70.38	71.70	69.45	70.02	71.09	70.56	72.15
EOM	71.37	70.31	68.70	67.46	69.58	70.80	71.10	69.61	70.14	70.96	70.80	72.13
MAX	71.45	71.38	70.23	68.73	69.58	70.80	71.70	71.39	70.14	71.21	70.97	72.23

WTR YR 1983 MAX 72.23

WELL NUMBER.--282259082104101. Local Number Pasco 822-210-01. Lykes Pasco Well near Dade City, FL.

LOCATION.--Lat 28°22'59", long 82°10'41", in NW¼NW¼SE¼ sec.23, T.24 S., R.21 E., Hydrologic Unit 03100208, 0.5 mi east of confluence of Pasco Packing Company and Evans Packing Company canals, and 2 mi northeast of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 4 in, depth 36 ft, casing length unknown.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top edge of flange on casing, 4.33 ft above land-surface datum.

DATUM.--Land-surface datum is 73.81 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 73.74 ft NGVD, Oct. 11, 1979; lowest, 60.19 ft NGVD, May 30, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			69.83	69.31	69.39	69.59	69.43	68.90	68.63	68.24	69.12	68.80
10			69.60	69.45	69.11	69.53	69.60	68.81	68.40	68.50	69.12	68.70
15			69.37	69.44	69.19	69.74	69.66	68.64	68.23	68.73	69.05	68.44
20			69.35	69.46	69.28	69.83	69.57	68.49	68.15	68.89	69.03	68.31
25			69.30	69.69	69.21	69.66	69.46	68.48	68.17	68.93	69.06	68.16
EOM			69.04	69.50	69.43	69.36	69.29	68.73	68.08	69.03	68.95	68.05
MAX			69.91	69.72	69.43	69.86	69.67	69.19	68.67	69.03	69.14	68.90

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--282540082275701. Masaryktown Deep Well at Masaryktown, FL.

LOCATION.--Lat 28°25'40", long 82°27'57", in SW¼NW¼ sec.1, T.24 S., R.18 E., Hydrologic Unit 03100207, 80 ft west of U. S. Highway 41 at Masaryktown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 82 ft, cased to 29 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.90 ft above land-surface datum. Prior to Jan. 22, 1976, top of casing, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 65.71 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--May 1965 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.32 ft NGVD, Sept. 9, 1984; lowest, 27.79 ft NGVD, Aug. 27, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.40	48.24	45.57	44.57	45.05	45.04	45.01	43.64	42.29	44.66	48.73	50.21
10	48.68	47.97	45.21	44.64	44.85	45.23	44.75	43.41	42.05	46.56	49.70	50.31
15	48.72	47.57	44.76	44.70	44.60	45.34	44.44	43.21	41.85	47.35	50.00	50.13
20	48.83	47.19	44.54	44.86	44.61	45.65	44.19	42.95	41.75	47.66	49.90	49.92
25	48.70	46.84	44.45	44.97	44.57	45.67	44.05	42.76	41.96	47.75	49.85	49.69
EOM	48.36	46.16	44.50	45.02	44.49	45.40	43.79	42.53	43.03	48.29	50.06	49.30
MAX	48.85	48.33	46.08	45.05	45.06	45.73	45.30	43.73	43.03	48.29	50.06	50.32

WTR YR 1984 HIGH 50.32 SEP 9

WELL NUMBER.--282540082275702. Masaryktown Shallow Well at Masaryktown, FL.

LOCATION.--Lat 28°25'40", long 82°27'57", in SW¼NW¼ sec.1, T.24 S., R.18 E., Hydrologic Unit 03100207, 80 ft west of U. S. Highway 41 at Masaryktown.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 SAND.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.25 ft above land-surface datum.

DATUM.--Land-surface datum is 65.78 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Well is apparently experiencing some cave-in. Soundings at different times indicate varying depths.

PERIOD OF RECORD.--October 1965 to current year (bimonthly). Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.50 ft NGVD, Sept. 14, 1982; well observed dry at times most years.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV		
01...	1130	52.84
JAN		
03...	1228	48.56
19...	0907	50.81
MAR		
01...	0940	52.26
MAY		
15...	0908	49.24

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
JUL		
05...	1107	57.28
AUG		
27...	1000	53.80
SEP		
11...	1046	52.33

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PASCO COUNTY

WELL NUMBER.--282641082112001. Local Number Pasco 826-211-214. Overpass Well near Trilacoochee, FL.

LOCATION.--Lat 28°26'41", long 82°11'20", in NE¼SE¼NE¼ sec.34, T.23 S., R.21 E., Hydrologic Unit 03100208, between lanes of divided U.S. Highway 301 at Seaboard Coast Line Railroad crossing, 1.4 mi south of Trilacoochee, and 4.3 mi north of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 6 in, depth 227 ft, cased to 49 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 14.08 ft above land-surface datum.

DATUM.--Land-surface datum is 80.17 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1959, February 1960 to June 1965, July 1965 to April 1966 (bimonthly), May to July 1966, July 1967 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 74.30 ft NGVD, Aug. 10, 1960; lowest, 55.86 ft NGVD, June 23, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	66.57	65.92	64.85	65.08	65.27	65.26	---	64.45	63.95	63.36	64.38	64.29
10	66.31	65.73	64.65	65.32	65.00	65.26	64.93	64.22	63.74	63.59	64.53	64.19
15	66.18	65.51	64.67	65.35	64.93	65.26	65.02	64.02	63.52	63.83	64.50	63.97
20	66.14	65.32	64.64	65.42	64.89	65.26	65.06	63.81	63.39	63.95	64.61	63.86
25	66.14	65.16	64.52	65.50	64.84	65.01	65.03	63.93	63.29	63.97	64.53	63.66
EOM	66.04	65.03	64.66	65.43	64.99	---	64.76	64.04	63.24	64.15	64.36	63.45
MAX	66.71	66.02	64.96	65.50	65.37	---	---	64.70	64.03	64.15	64.61	64.34

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PASCO					
281017082234701	S. WELL 862 ON I-75 AT COUNTY LINE NR LUTZ	28 10 17	082 23 47	01	84-05-17 84-09-11	44.95 45.54
281023082305701	ST PETE #41 DEEP NR LAND O' LAKES, FLA	28 10 23	082 30 57	01	84-05-14 84-09-10	42.14 45.51
281023082305702	ST. PETE S. WELL 41 NR LAND O'LAKES, FLA	28 10 23	082 30 57	02	84-05-14 84-09-10	55.54 56.29
281023082450701	COASTAL PASCO D. WELL 13 NR NEW PORT RICHEY,FL	28 10 23	082 45 07	01	84-05-17 84-09-12	2.48 2.69
281025082312401	SIERRA PINES D. WELL 218 NR LUTZ	28 10 25	082 31 24	01	84-05-14 84-09-10	43.10 46.33
281035082305701	ST PETE WELL 42 NR LAND O' LAKES, FLA	28 10 35	082 30 57	01	84-05-14 84-09-10	41.62 45.18
281035082305702	ST PETE S. WELL 42 NR LAND O'LAKES, FLA	28 10 35	082 30 57	02	84-05-14 84-09-10	55.54 56.47
281041082304101	PASCO WF D. WELL E. OF 43 NR LAND O' LAKES	28 10 41	082 30 41	01	84-05-14 84-09-10	40.98 44.27
281042082304602	ST PETE S. WELL 43 NR LAND O'LAKES, FLA	28 10 42	082 30 46	02	84-05-14 84-09-10	56.36 56.85
281046082303102	ST PETE S. WELL 44 NR LAND O'LAKES, FLA	28 10 46	082 30 31	02	84-05-14 84-09-10	56.67 57.67
281046082470801	FPC WELL NO 1 NR TARPON SGS, FLA	28 10 46	082 47 08	01	84-05-17 84-09-12	0.57 1.02
281046082470802	FPC WELL NO 2 NR TARPON SGS, FLA	28 10 46	082 47 08	02	84-05-17 84-09-12	1.37 1.76
281047082154401	BLANZ DP NR BRANCHTN	28 10 47	082 15 44	01	84-09-13	66.70
281050082305901	26S18E33 ST PETE 96	28 10 50	082 30 59	01	84-09-10	45.03
281050082305902	ST PETE S. WELL 46 NR LAND O'LAKES, FLA	28 10 50	082 30 59	02	84-05-14 84-09-10	55.86 56.30
281055082302401	ST PETE WELL 45 NR LAND O' LAKES, FLA	28 10 55	082 30 24	01	84-05-14 84-09-10	46.57 49.53
281055082302402	ST PETE S. WELL 45 NR LAND O'LAKES, FLA	28 10 55	082 30 24	02	84-05-14 84-09-10	56.70 57.51
281056082303301	PASCO WELLFIELD ODESSA # 233 DEEP	28 10 56	082 30 33	01	84-05-14 84-09-10	51.29 53.12
281056082303302	PASCO WF S. WELL 233 NR LAND O' LAKES	28 10 56	082 30 33	02	84-05-14 84-09-10	56.65 55.67
281103082322601	DOYLES RANCH D. WELL NR ODESSA, FLA	28 11 03	082 32 26	01	84-05-14 84-09-10	42.81 45.30
281104082310401	PASCO WF D. WELL P-4 NR LAND O'LAKES	28 11 04	082 31 04	01	84-05-14 84-09-10	42.15 45.43
281104082310501	WELL 8112310405	28 11 04	082 31 05	01	84-05-14 84-09-10	41.93 45.13
281104082310502	ST PETE S. WELL 47 NR LAND O'LAKES, FLA	28 11 04	082 31 05	02	84-05-14 84-09-10	55.65 54.95
281104082312002	ST PETE S. WELL NO 48 NR LAND O'LAKES, FLA	28 11 04	082 31 20	02	84-05-14 84-09-10	56.55 57.20
281106082312201	PASCO WF S. WELL 230 NR LAND O'LAKES	28 11 06	082 31 22	01	84-05-14 84-09-10	56.85 57.73
281109082314401	BOONE D. WELL 221 NR LUTZ	28 11 09	082 31 44	01	84-05-14 84-09-10	42.96 46.63
281112082211301	IMMER DP NR PEBLE CR	28 11 12	082 21 13	01	84-05-16 84-09-12	54.17 55.03
281118082305901	PASCO WF PROD WELL 49 NR LAND O' LAKES	28 11 18	082 30 59	01	84-05-14	41.96
281118082305902	ST PETE S. WELL 49 NR LAND O'LAKES, FLA	28 11 18	082 30 59	02	84-05-14 84-09-10	56.11 56.05

PASCO

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
281120082302701	PASCO WF D. WELL 220 NR LUTZ	28 11 20	082 30 27	01	84-05-14 84-09-10	48.54 51.16
281120082302702	PASCO SHALLOW WELL 220 NEAR LAND O, LAKES,FL.	28 11 20	082 30 27	02	84-05-14 84-09-10	53.73 54.16
281126082303801	WELL 8112302638	28 11 26	082 30 38	01	84-09-10	48.05
281126082303802	ST PETE S. WELL 50 NR LAND O'LAKES, FLA	28 11 26	082 30 38	02	84-05-14 84-09-10	55.77 56.35
281126082305701	PASCO WF S. WELL 231 NR LUTZ	28 11 26	082 30 57	01	84-05-14 84-09-10	57.74 58.78
281129082273601	WOODWARD D. WELL 214 NR LUTZ	28 11 29	082 27 36	01	84-05-14 84-09-10	62.40 63.31
281137082352801	USGS S. WELL 302 AT ODESSA	28 11 37	082 35 28	01	84-05-14 84-09-10	48.98 50.55
281139082315301	SR 54 S. WELL 215 NR LUTZ	28 11 39	082 31 53	01	84-05-14 84-09-10	53.19 53.80
281151082210901	SR 581 S. WELL 801 NR BRANCHTON	28 11 51	082 21 09	01	84-05-16 84-09-12	53.56 54.27
281155082235401	KING DP NR LUTZ	28 11 55	082 23 54	01	84-09-13	55.90
281157082304101	PASCO WF S. WELL 227 NR LAND O' LAKES	28 11 57	082 30 41	01	84-05-14 84-09-10	56.57 57.50
281222082384301	STARKEY STOCK D. WELL 700 NR ODESSA	28 12 22	082 38 43	01	84-05-14 84-09-10	23.09 26.20
281222082384302	STARKEY S. WELL 700 NR ODESSA	28 12 22	082 38 43	02	84-05-14 84-09-10	28.74 30.67
281244082320301	USGS D. WELL 744 NR ODESSA	28 12 44	082 32 03	01	84-05-15 84-09-11	46.51 48.15
281244082320302	USGS S. WELL 744 NR ODESSA	28 12 44	082 33 03	02	84-05-15 84-09-11	47.40 48.46
281254082291201	BEXLEY S. WELL 224 NR LAND O'LAKES	28 12 54	082 29 12	01	84-05-14 84-09-10	64.26 64.60
281309082311302	BEXLEY S. WELL 743 NR LAND O' LAKES	28 13 09	082 31 13	02	84-05-15 84-09-11	55.11 55.68
281314082380601	STARKEY PICNIC AREA D. WELL 745 NR ODESSA	28 13 14	082 38 06	01	84-05-14 84-09-10	22.83 25.91
281317082380200	ANCLOTE RIVER AT STARKEY WELL FIELD	28 13 17	082 38 02	00	84-05-14 84-09-10	18.85 21.22
281321082294201	BEXLEY D. WELL 225 NR LAND O' LAKES	28 13 21	082 29 42	01	84-05-15 84-09-11	60.01 61.43
281424082365201	STARKEY WF EMW7	28 14 24	082 36 52	01	84-05-14 84-09-10	29.27 31.39
281427082382801	STARKEY D. WELL 728 NR NEW PORT RICHEY, FLA	28 14 27	082 38 28	01	84-05-14 84-09-10	28.16 28.85
281427082382802	STARKEY S. WELL 728 NR NEW PORT RICHEY, FLA	28 14 27	082 38 28	02	84-05-14 84-09-10	28.43 29.89
281431082371801	STARKEY D. WELL 730 NR NEW PORT RICHRY, FLA	28 14 31	082 37 18	01	84-05-14 84-09-10	29.89 32.45
281431082371802	STARKEY S. WELL 730 NR NEW PORT RICHEY, FLA	28 14 31	082 37 18	02	84-05-14 84-09-10	31.94 33.73
281432082211401	USGS S. WELL 853 ON I-75 NR DREXEL	28 14 32	082 21 14	01	84-05-17 84-09-11	76.10 75.75
281434082260801	COVINGTON 2 D. WELL 858 NR DREXEL	28 14 34	082 26 08	01	84-05-15 84-09-14	65.05 66.30
281435082221301	ANGUS VALLEY 3 D. WELL 960 NR DREXEL	28 14 35	082 22 13	01	84-09-12	65.41
281436082380101	STARKEY WF EMW4	28 14 36	082 38 01	01	84-05-14 84-09-10	1.80 33.39
281437082271401	NININGER D. WELL 857 AT DREXEL	28 14 37	082 27 14	01	84-09-11	72.83

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

PASCO

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
281441082380301	STARKEY D. WELL 705 NR NEW PORT RICHEY, FLA	28 14 41	082 38 03	01	84-05-14 84-09-10	28.12 30.25
281446082354101	STARKEY WELL MW-1 NR NEW PORT RICHEY FL	28 14 46	082 35 41	01	84-09-10	30.43
281446082354302	STARKEY SM2-SH NR NEW PORT RICHEY FL	28 14 46	082 35 43	02	84-05-14 84-09-10	45.52 46.85
281447082371002	STARKEY S. WELL 731 NR NEW PORT RICHEY, FLA	28 14 47	082 37 10	02	84-05-14 84-09-10	34.49 35.92
281448082301802	BEXLEY 2 S. WELL 708 NR DREXEL	28 14 48	082 30 18	02	84-05-15 84-09-11	64.36 65.26
281451082380702	STARKEY SHALLOW WELL 20 NR ODESSA,FL	28 14 51	082 38 07	02	84-05-14 84-09-10	36.61 31.46
281453082380301	STARKEY D. WELL 707 NR NEW PORT RICHEY, FLA	28 14 53	082 38 03	01	84-05-14 84-09-10	28.14 30.05
281453082380302	STARKEY S. WELL 707 NR NEW PORT RICHEY, FLA	28 14 53	082 38 03	02	84-05-14 84-09-10	29.67 30.88
281500082384501	STARKEY D. WELL 710 NR NEW PORT RICHEY, FLA	28 15 00	082 38 45	01	84-09-10	26.07
281500082384502	STARKEY S. WELL 710 NR NEW PORT RICHEY, FLA	28 15 00	082 38 45	02	84-05-14 84-09-10	25.36 27.79
281501082380901	STARKEY EMW-3 NEAR NEW PORT RICHEY FL	28 15 01	082 38 09	01	84-05-14 84-09-10	26.55 27.94
281509082385401	STARKEY W2S WT.	28 15 09	082 38 54	01	84-05-14 84-09-10	20.04 22.82
281512082384501	STARKEY W2 PROD.	28 15 12	082 38 45	01	84-09-10	22.19
281513082222201	ANGUS VALLEY 2 D. WELL 854 NR DREXEL	28 15 13	082 22 22	01	84-05-16	63.03
281516082361201	STARKEY EMW-6 NR NEW PORT RICHEY FL	28 15 16	082 36 12	01	84-05-14 84-09-10	30.61 33.26
281520082314502	BEXLEY S. WELL 734 NR DREXEL	28 15 20	082 31 45	02	84-05-15 84-09-11	47.23 58.35
281521082380601	STARKEY WP EMW5	28 15 21	082 38 06	01	84-05-14 84-09-10	29.02 31.56
281524082380601	STARKEY 4A PO	28 15 24	082 38 06	01	84-05-14 84-09-10	24.93 27.12
281525082381101	STARKEY W4 PROD	28 15 25	082 38 11	01	84-09-10	24.68
281526082374701	STARKEY D. WELL 729 NR NEW PORT RICHEY, FLA	28 15 26	082 37 47	01	84-05-14 84-09-10	27.47 29.45
281528082383801	STARKEY W1 PROD.	28 15 28	082 38 38	01	84-09-10	21.98
281530082380101	STARKEY WP W4B	28 15 30	082 38 01	01	84-05-14 84-09-10	26.64 28.71
281530082381301	STARKEY WP SP4	28 15 30	082 38 13	01	84-05-14 84-09-10	26.20 28.39
281530082384801	STARKEY SM-1SH NEAR NEW PORT RICHEY FL	28 15 30	082 38 48	01	84-05-14 84-09-10	21.62 23.18
281532082412301	NEW PORT RCHY D.WELL AT RICHEY LKS, FLA	28 15 32	082 41 23	01	84-05-01 84-05-18 84-08-29 84-09-12	7.38 6.88 9.47 9.66
281535082241301	CYPRESS CREEK DP WELL TMR-5 NR SAN ANTONIO,FLA	28 15 35	082 24 13	01	84-05-14 84-09-10	55.10 57.01
281535082241302	CYPRESS CREEK SH WELL TMR-5 NR SAN ANTONIO,FLA	28 15 35	082 24 13	02	84-05-14 84-09-10	59.44 60.56
281548082220601	815 222	28 15 48	082 22 06	01	84-05-16 84-09-12	64.72 66.18
281549082204001	MURPHY D. WELL 852 NR SAN ANTONIO	28 15 49	082 20 40	01	84-05-16	68.42
281558082264602	PASCO 13 S. WELL 804 NR DREXEL	28 15 58	082 26 46	02	84-05-14 84-09-10	72.53 77.05
281609082242901	CYPRESS CR 1 D. WELL 805 NR DREXEL	28 16 09	082 24 29	01	84-09-10	57.43

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PASCO					
281613082242901	WELL 8162241329	28 16 13	082 24 29	01	84-05-14 84-09-10	55.53 57.59
281615082242501	CYPRESS CR2 S. WEL NR DREXEL	28 16 15	082 24 25	01	84-05-14 84-09-10	64.92 65.91
281631082261601	CATCHING'S D. WELL 849 NR DREXEL	28 16 31	082 26 16	01	84-05-15 84-09-11	68.96 71.66
281637082233501	CYPRESS CR WF D. WELL 829 NR DREXEL	28 16 37	082 23 35	01	84-05-14 84-09-10	51.57 55.02
281637082233502	CYPRESS CR WF S. WELL 829 NR DREXEL	28 16 37	082 23 35	02	84-05-14 84-09-10	65.43 66.47
281641082240202	CYPRESS CREEK WF C-10 SUPPLY	28 16 41	082 24 02	02	84-05-14 84-09-10	48.65 51.93
281642082440201	COASTAL PASCO D. WELL 04 AT PORT RICHEY, FL	28 16 42	082 44 02	01	84-05-17 84-09-12	0.27 0.15
281649082234501	CYPRESS CREEK WF C-9 DEEP	28 16 49	082 23 45	01	84-09-10	55.44
281650082244501	CYPRESS CREEK DP WELL TMR 4 NEAR SAN ANTONIO, FL	28 16 50	082 24 45	01	84-05-14 84-09-10	54.90 57.05
281650082244502	CYPRESS CREEK SH WELL TMR 4 NEAR SAN ANTONIO, FL	28 16 50	082 24 45	02	84-05-14 84-09-10	56.77 58.15
281654082201601	CARR D. WELL 846 NR SAN ANTONIO	28 16 54	082 20 16	01	84-05-16 84-09-12	76.43 78.26
281656082251202	816 225 02	28 16 56	082 25 12	02	84-05-14 84-09-10	59.51 60.67
281657082303301	BEXLEY D. WELL 733 NR DREXEL	28 16 57	082 30 33	01	84-05-15 84-09-11	65.07 66.24
281657082303302	BEXLEY S. WELL 733 NR DREXEL	28 16 57	082 30 33	02	84-05-15 84-09-11	65.21 66.16
281704082085201	81720801 25S22E30 RICHLAND BAPTIST CHURCH	28 17 04	082 08 52	01	84-05-14 84-09-11	71.40 70.36
281719082224801	CYPRESS CK DP WELL TMR-1 NR SAN ANTONIO, FLA.	28 17 19	082 22 48	01	84-05-14 84-09-10	58.44 59.85
281719082224802	CYPRESS CREEK SH WELL TMR 1 NR SAN ANTONIO,FLA	28 17 19	082 22 48	02	84-05-14 84-09-10	60.22 61.53
281723082231201	CYPRESS CR WF S. WELL 827 NR DREXEL	28 17 23	082 23 12	01	84-05-14 84-09-10	63.36 63.86
281723082234601	CYPRESS CR WF D. WELL 826 NR DREXEL	28 17 23	082 23 46	01	84-05-14 84-09-10	51.30 54.20
281723082234602	CYPRESS CR WF S. WELL 826 NR DREXEL	28 17 23	082 23 46	02	84-05-14 84-09-10	61.42 62.59
281739082215301	C-13 WELL NEAR DREXEL,FL	28 17 39	082 21 53	01	84-05-14 84-09-10	64.13 64.16
281746082233701	CYPRESS CK DP WELL TMR-3 NR SAN ANTONIO, FLA.	28 17 46	082 23 37	01	84-05-14 84-09-10	53.11 55.18
281746082233702	CYPRESS CK SH WELL TMR-3 NR SAN ANTONIO, FLA.	28 17 46	082 23 37	02	84-05-14 84-09-10	58.83 60.59
281748082225301	CYPRESS CR WF D. WELL E-108 NR DREXEL	28 17 48	082 22 53	01	84-05-14 84-09-10	52.80 54.34
281748082225302	CYPRESS CR WF S. WELL E-108 NR DREXEL	28 17 48	082 22 53	02	84-05-14 84-09-10	63.44 66.57
281749082220401	C-12 WELL NEAR DREXEL, FL	28 17 49	082 22 04	01	84-09-10	62.21
281801082225101	CYPRESS CR WF D. WELL E-107 NR DREXEL	28 18 01	082 22 51	01	84-05-14 84-09-10	55.28 54.10
281801082225102	CYPRESS CR WF S. WELL E-107 NR DREXEL	28 18 01	082 22 51	02	84-05-14 84-09-10	66.34 67.42
281809082224401	CYPRESS CR WF D. WELL E-106 NR DREXEL	28 18 09	082 22 44	01	84-05-14 84-09-10	60.68 61.53
281809082224402	CYPRESS CR WF 4" WELL AT E-106 NR DREXEL	28 18 09	082 22 44	02	84-05-14 84-09-10	58.66 55.24

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PASCO					
281809082224403	CYPRESS CR WF S. WELL E-106 NR DREXEL	28 18 09	082 22 44	03	84-05-14	67.75
					84-09-10	66.89
281828082223201	CYPRESS CREEK WF S. WELL 824 NR DREXEL	28 18 28	082 22 32	01	84-05-14	68.44
					84-09-10	66.19
281844082224101	CYPRESS CR WF S. WELL 822 NR DREXEL	28 18 44	082 22 41	01	84-05-14	72.00
					84-09-10	73.62
281845082224001	CYPRESS CR DP WELL TMR-2 NR SAN ANTONIO, FLA.	28 18 45	082 22 40	01	84-05-14	67.87
					84-09-10	69.00
281845082224002	CYPRESS CREEK SH WELL TMR 2 NR SAN ANTONIO,FLA	28 18 45	082 22 40	02	84-05-14	68.81
					84-09-10	70.06
281850082221301	CYPRESS CR WF D. WELL 821 NR DREXEL	28 18 50	082 22 13	01	84-05-14	69.93
					84-09-10	70.92
281850082221302	CYPRESS CR WF S. WELL 821 NR DREXEL	28 18 50	082 22 13	02	84-05-14	71.62
					84-09-10	72.77
281930082093702	81920902 25S21E12 LYKES PASCO FERT 4-INCH	28 19 30	082 09 37	02	84-05-14	70.15
					84-09-11	69.40
281931082284101	SRW-DEEP NR DARBY	28 19 31	082 28 41	01	84-05-14	70.37
					84-09-10	71.57
281931082284102	SRW-SH NR DARBY	28 19 31	082 28 41	02	84-05-14	71.97
281943082241801	FT. KING RANCH 10 INCH WELL	28 19 43	082 24 18	01	84-05-16	71.70
					84-09-13	72.68
281948082415301	WITHLACOOCHEE ELEC 01 AT BAYONET POINT, FL	28 19 48	082 41 53	01	84-05-17	11.10
					84-09-12	1.98
281954082413401	PONDEROSA DEV D. WELL AT BAYONET POINT,FL	28 19 54	082 41 34	01	84-05-17	1.12
					84-09-12	2.30
282005082112801	82021104 25S21E03 STEARNS WELL	28 20 05	082 11 28	01	84-05-14	70.70
					84-09-11	70.04
282005082153501	82021501 25S20E01 GOLF COURSE WELL	28 20 05	082 15 35	01	84-05-14	86.59
					84-09-11	86.89
282044082312401	H. KENT GROVE WELL	28 20 44	082 31 24	01	84-05-16	62.92
					84-09-11	64.15
282108082290501	CROSSBAR WF N4S3 DEEP	28 21 08	082 29 05	01	84-05-14	70.26
					84-09-11	71.01
282115082283701	CROSSBAR WF N-16 DEEP	28 21 15	082 28 37	01	84-05-14	66.22
					84-09-11	67.94
282121082071101	82120702 24S22E32 CUMMER OFFICE WELL	28 21 21	082 07 11	01	84-05-14	73.94
					84-09-11	73.52
282123082274401	CB-1 NR MASARYKTOWN	28 21 23	082 27 44	01	84-05-15	71.10
					84-09-10	72.91
282133082275301	CB-2 NR MASARYKTOWN	28 21 33	082 27 53	01	84-05-14	67.94
					84-09-10	71.21
282141082334901	HAYS RD S. WELL 751 NR GOWERS CORNER	28 21 41	082 33 49	01	84-05-17	38.45
282141082335201	HAYS RD S. WELL 750 NR GOWERS CORNER	28 21 41	082 33 52	01	84-05-17	37.65
					84-09-11	40.79
282142082283701	CROSSBAR WF A DEEP	28 21 42	082 28 37	01	84-05-15	60.31
					84-09-10	66.53
282142082283702	CROSSBAR WF A SHALLOW	28 21 42	082 28 37	02	84-05-15	68.00
					84-09-10	69.22
282148082281801	CROSSBAR WF A-1 DEEP	28 21 48	082 28 18	01	84-05-14	62.64
					84-09-10	66.34
282148082281802	CROSSBAR WF A-1 SHALLOW	28 21 48	082 28 18	02	84-05-14	67.65
					84-09-10	69.21
282148082300701	FIVAY # 732 SHALLOW	28 21 48	082 30 07	01	84-05-16	66.15
					84-09-11	67.38
282153082085601	82120803 24S22E30 PARKER WELL	28 21 53	082 08 56	01	84-05-14	70.29
282154082142401	82121401 24S21E30 HAYCRAFT WELL	28 21 54	082 14 24	01	84-05-14	70.33
					84-09-11	70.25

MISCELLANEOUS WATER LEVEL MEASUREMENTS
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STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PASCO					
282154082280101	CB-4 NR MASARYKTOWN	28 21 54	082 28 01	01	84-05-14 84-09-11	62.61 66.51
282154082280401	CROSSBAR WF A-2 DEEP	28 21 54	082 28 04	01	84-05-14 84-09-11	62.96 66.57
282154082280402	CROSSBAR WF A-2 SHALLOW	28 21 54	082 28 04	02	84-05-14 84-09-11	67.61 69.83
282207082271101	CROSSBAR WF A-3 DEEP	28 22 07	082 27 11	01	84-05-14 84-09-10	68.27 70.59
282207082271102	CROSSBAR WF A-3 SHALLOW	28 22 07	082 27 11	02	84-05-14 84-09-10	68.37 69.72
282221082103001	82221001 24S21E26 COLLURA WELL NO. 1	28 22 21	082 10 30	01	84-05-14 84-09-11	69.10 68.79
282222082280701	CB-5 NR MASARYKTOWN	28 22 22	082 28 07	01	84-09-10	66.53
282228082222701	JOE GILMORE	28 22 28	082 22 27	01	84-05-17	77.49
282229082405801	COASTAL PASCO D. WELL 02 AT HUDSON, FL	28 22 29	082 40 58	01	84-05-17 84-09-12	2.01 2.02
282233082283801	CB-6 NR MASARYKTOWN	28 22 33	082 28 38	01	84-05-14 84-09-10	62.11 65.69
282238082362101	JUSTICE DP NR HUDSON	28 22 38	082 36 21	01	84-05-16 84-09-12	28.54 32.27
282246082281601	CROSSBAR WF B DEEP	28 22 46	082 28 16	01	84-05-14 84-09-10	61.71 65.73
282246082281602	CROSSBAR WF B SHALLOW	28 22 46	082 28 16	02	84-05-14	66.77
282259082282801	CROSSBAR WF B-1 DEEP	28 22 59	082 28 28	01	84-05-14 84-09-11	62.55 63.84
282259082282802	CROSSBAR WF B-1 SHALLOW	28 22 59	082 28 28	02	84-05-15 84-09-11	64.08 66.43
282302082290301	CROSSBAR WF S-1 SHALLOW	28 23 02	082 29 03	01	84-05-15 84-09-11	64.47 65.75
282310082281901	CB-8 NR MASARYKTOWN	28 23 10	082 28 19	01	84-05-14 84-09-10	59.88 64.32
282313082284301	CROSSBAR WF B-2 DEEP	28 23 13	082 28 43	01	84-05-15 84-09-11	61.17 63.30
282313082284302	CROSSBAR WF B-2 SHALLOW	28 23 13	082 28 43	02	84-05-15 84-09-11	63.66 65.76
282324082181901	CB-9 NR DARBY	28 23 24	082 18 19	01	84-05-15 84-09-10	59.19 61.74
282326082280901	CROSSBAR WF N4S2 DEEP	28 23 26	082 28 09	01	84-05-14 84-09-11	58.92 61.77
282326082285201	CROSSBAR WF B-3 DEEP	28 23 26	082 28 52	01	84-05-15 84-09-11	57.72 60.42
282326082285202	CROSSBAR WF B-3 SHALLOW	28 23 26	082 28 52	02	84-05-15 84-09-11	59.36 62.20
282330082290501	ROUAN FARMS 4 INCH BARN WELL	28 23 30	082 29 05	01	84-05-16	59.66
282342082274801	CB-10 NR MASARYKTOWN	28 23 42	082 27 48	01	84-05-14 84-09-10	54.67 57.06
282346082271201	CB-11 NR DARBY	28 23 46	082 27 12	01	84-09-10	59.25
282352082263901	CB-12 NR MASARYKTOWN	28 23 52	082 26 39	01	84-05-14 84-09-10	54.78 57.09
282408082274201	CROSSBAR WF C-1 DEEP	28 24 08	082 27 42	01	84-05-15 84-09-10	49.57 54.07
282408082274202	CROSSBAR WF C-1 SHALLOW	28 24 08	082 27 42	02	84-09-10	53.14
282411082261401	CROSSBAR WF C-3 DEEP	28 24 11	082 26 14	01	84-05-15 84-09-10	57.13 59.52
282411082261402	CROSSBAR WF C-3 SHALLOW	28 24 11	082 26 14	02	84-05-15 84-09-10	59.48 60.94

MISCELLANEOUS WATER LEVEL MEASUREMENTS
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STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PASCO					
282413082263801	CROSSBAR WF C-2 DEEP	28 24 13	082 26 38	01	84-05-15	53.65
					84-09-10	57.22
282419082271201	CROSSBAR WF N-2 DEEP	28 24 19	082 27 12	01	84-05-15	52.34
					84-09-11	56.06
282419082271202	CROSSBAR WF N-2 SHALLOW	28 24 19	082 27 12	02	84-05-15	54.18
					84-09-11	56.02
282422082263901	CB-14 NR MASARYKTOWN	28 24 22	082 26 39	01	84-09-10	56.89
282428082134501	82421301 24S21E08 LEE WELL	28 24 28	082 13 45	01	84-05-14	67.53
					84-09-11	67.45
282430082112101	82421102 24S21E10 SELF WELL	28 24 30	082 11 21	01	84-05-14	66.41
					84-09-11	66.36
282430082271201	CROSSBAR WF N-1 DEEP	28 24 30	082 27 12	01	84-05-15	51.70
					84-09-11	55.95
282430082271202	CROSSBAR WF N-1 SHALLOW	28 24 30	082 27 12	02	84-05-15	52.59
					84-09-11	55.41
282434082200301	AIRSTREAM TRL PARK D. WELL 833 NR DARBY	28 24 34	082 20 03	01	84-05-17	80.80
					84-09-12	77.22
282434082283601	D. A. SUTYAK	28 24 34	082 28 36	01	84-05-16	44.27
					84-09-11	50.56
282441082271201	CROSSBAR WF N-12 DEEP	28 24 41	082 27 12	01	84-09-10	52.12
282441082271202	CROSSBAR WF N-12 SHALLOW	28 24 41	082 27 12	02	84-09-10	52.68
282442082273201	CB-16 NR MASARYKTOWN	28 24 42	082 27 32	01	84-09-10	51.54
282442082273901	CB-16 LAYNE NR LOYCE,FL	28 24 42	082 27 39	01	84-09-10	52.88
282443082263901	CB-17 NR MASARYKTOWN	28 24 43	082 26 39	01	64-05-15	51.36
					84-09-10	56.00
282444082273001	NWO-1 DEEP NR DARBY	28 24 44	082 27 30	01	84-05-15	46.78
					84-09-10	52.61
282454082382301	CARTER DP NR ARIPEKA	28 24 54	082 38 23	01	84-05-16	12.39
282459082271301	CROSSBAR WF N4N DEEP	28 24 59	082 27 13	01	84-05-15	45.13
					84-09-10	51.05
282504082280301	NWO-2 DEEP NR DARBY	28 25 04	082 28 03	01	84-05-15	44.92
					84-09-10	51.14
282504082280302	NWO-2 SH NR DARBY	28 25 04	082 28 03	02	84-05-15	44.79
					84-09-10	51.18
282505082261301	CROSS-BAR WELL FIELD NRW	28 25 05	082 26 13	01	84-05-15	45.98
					84-09-10	51.95
282505082271102	NRW-SH NR DARBY	28 25 05	082 27 11	02	84-05-15	47.01
					84-09-10	51.83
282516082365501	LORE DP NR ARIPEKA	28 25 16	082 36 55	01	84-05-16	16.14
					84-09-12	18.55
282534082222801	BARTHLE RANCH D. WELL 818 NR DARBY	28 25 34	082 22 28	01	84-05-17	63.82
					84-09-12	62.49
282536082233101	-STAGECOACH RANCH	28 25 36	082 23 31	01	84-05-17	64.77
					84-09-12	64.30
282552082181201	82521801 24S20E04 EMMET EVANS WELL AT DIXIE	28 25 52	082 18 12	01	84-05-17	96.42
					84-09-12	99.62
282552082314201	GOOCH DP NR MASARKTN	28 25 52	082 31 42	01	84-05-16	33.26
					84-09-12	39.36
282717082142001	82721401 23S21E30 ROSSINI WELL WEST OF TRILBY	28 27 17	082 14 20	01	84-05-14	59.02
					84-09-11	53.81
282816082123701	82821201 23S21E21 TOMKOW HAY BARN WELL	28 28 16	082 12 37	01	84-05-14	54.13
					84-09-11	54.30

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PASCO COUNTY

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
281007082192201 - SADDLEBROOK NEAR WESLEY CHAPEL, FL (LAT 28 10 07 LONG 082 19 22)						
JUL , 1984 26...	0900	298	306	23.5	<.1	5.0
281023082450701 - COASTAL PASCO D. WELL 13 NR NEW PORT RICHEY,FL (LAT 28 10 23 LONG 082 45 07)						
MAY , 1984 17...	0825	20600	20000	25.5	--	6800
SEP 12...	0908	18400	18800	--	--	6200
281038082452801 - HOLIDAY LAKE ESTATES WELL AT HOLIDAY,FL (LAT 28 10 38 LONG 082 45 28)						
JUL , 1984 24...	1110	--	398	29.5	26	32
281045082201201 - WILLIAMSBURG NEAR CR581 AND HILLSBOROUGH CO LINE (LAT 28 10 45 LONG 082 20 12)						
JUL , 1984 26...	1025	409	404	24.5	<.1	7.0
281046082470801 - FPC WELL NO 1 NR TARPON SGS, FLA (LAT 28 10 46 LONG 082 47 08)						
MAY , 1984 17...	0931	33700	34300	25.0	--	12000
SEP 12...	0941	32600	33300	24.5	--	12000
281046082470802 - FPC WELL NO 2 NR TARPON SGS, FLA (LAT 28 10 46 LONG 082 47 08)						
MAY , 1984 17...	0902	3620	3610	24.5	--	1100
SEP 12...	0936	3550	3600	24.5	--	1000
281053082310401 - ST PETE D. WELL 105 NR LAND O' LAKES, FLA (LAT 28 10 53 LONG 082 31 04)						
OCT , 1983 05...	1120	12000	11200	23.5	2900	2700
DEC 07...	1315	13000	13700	24.0	3000	3500
FEB , 1984 09...	0957	17400	19500	22.5	3700	5400
MAR 27...	1130	--	15300	23.0	3200	4000
MAY 09...	1015	14400	14200	24.0	3200	4000
JUN 11...	1049	20500	21300	23.0	4000	6200
AUG 01...	1220	21600	25200	23.0	4200	7400
281234082112701 - PALM VIEW GARDENS NEAR ZEPHYRHILLS, FL (LAT 28 12 34 LONG 082 11 27)						
JUL , 1984 26...	1220	311	315	24.5	2.4	7.0
281248082160601 - WILLIAMS NEAR RIVER NEAR ZEPHYRHILLS,FL (LAT 28 12 48 LONG 082 16 06)						
JUL , 1984 26...	1100	325	329	23.5	3.2	11

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PASCO COUNTY--Continued

281248082431101 - COLONIAL HILLS WELL AT ELFERS,FL (LAT 28 12 48 LONG 082 43 11)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
24...	1045	740	802	24.5	70	100

281305082145101 - RALPH TRAILER PARK NEAR ZEPHYRHILLS, FL (LAT 28 13 05 LONG 082 14 51)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
26...	1115	394	391	23.5	2.4	10

281338082134501 - LAKE BERNADETTE NEAR ZEPHYRHILLS, FL (LAT 28 13 38 LONG 082 13 45)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
26...	1115	438	436	23.5	<.1	9.0

281354082130701 - OAK ROYAL NEAR ZEPHYRHILLS, FL (LAT 28 13 54 LONG 082 13 07)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
26...	1200	275	281	24.0	<.1	7.0

281500082384501 - STARKEY D. WELL 710 NR NEW PORT RICHEY, FLA (LAT 28 15 00 LONG 082 38 45)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
03...	1430	440	--	25.0	--	--
03...	1431	440	--	25.0	--	--

281532082412301 - NEW PORT RCHY D.WELL AT RICHEY LKS, FLA (LAT 28 15 32 LONG 082 41 23)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
01...	1443	26500	25000	25.0	--	8600
AUG						
29...	1436	28000	26500	25.5	--	8900

281602082175801 - WILLIAMS DOUBLE BRANCH NEAR LANDOLAKES, FL (LAT 28 16 02 LONG 082 17 58)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
26...	0930	422	418	23.5	<.1	8.0

281622082195101 - WILLIAMS ACRES #4 AT QUAIL HOLLOW, FL (LAT 28 16 22 LONG 082 19 51)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
26...	0950	264	267	23.5	3.2	8.0

281642082440201 - COASTAL PASCO D. WELL 04 AT PORT RICHEY, FL (LAT 28 16 42 LONG 082 44 02)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
17...	1107	38900	40500	24.5	--	16000
SEP						
12...	1110	41600	42300	24.0	--	16000

281652082423301 - PORT RICHEY CITY D. WELL AT PORT RICHEY, FL (LAT 28 16 52 LONG 082 42 33)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
17...	1040	607	605	24.0	--	--
SEP						
12...	1058	668	646	23.5	--	97

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PASCO COUNTY--Continued

281917082420901 - ROMP TR 17-1 DEEP WELL AT BAYONET POINT, FL (LAT 28 19 17 LONG 082 42 09)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
03...	1013	3000	3160	24.5	--	860
JAN , 1984						
09...	1013	3100	3150	23.0	--	870
MAR						
05...	1500	3200	3200	24.5	--	840
MAY						
01...	1356	3250	3200	24.5	92	880
JUL						
06...	1003	3300	3350	25.0	--	800
AUG						
29...	1345	3300	3240	25.0	94	890

281922082403901 - ROMP TR 17-3 DEEP WELL NR BAYONET POINT, FL (LAT 28 19 22 LONG 082 40 39)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
02...	1248	9800	9200	25.0	--	2900
JAN , 1984						
05...	1415	9850	9200	24.0	--	2900
MAR						
05...	1422	9300	9100	24.5	--	2800
MAY						
01...	1134	9200	8800	25.0	240	2800
JUL						
06...	1035	9500	9100	24.5	--	2800
AUG						
29...	0918	9100	8940	25.0	220	2800

281948082415301 - WITHLACOOCHEE ELEC 01 AT BAYONET POINT, FL (LAT 28 19 48 LONG 082 41 53)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
17...	1143	323	331	24.0	--	16
SEP						
12...	1136	338	363	23.5	--	18

281954082413401 - PONDEROSA DEV D. WELL AT BAYONET POINT,FL (LAT 28 19 54 LONG 082 41 34)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984						
17...	1213	327	332	25.0	--	16
SEP						
12...	1200	351	350	26.0	--	16

282009082373801 - SR 52 D. WELL NR HUDSON, FLA (LAT 28 20 29 LONG 082 37 38)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983						
02...	1156	265	264	26.0	--	4.4
JAN , 1984						
05...	1343	--	254	23.0	--	6.4
MAR						
05...	1331	265	265	28.0	--	5.0
MAY						
01...	1105	270	260	27.0	--	5.0
JUL						
06...	1103	280	275	27.0	--	8.0

282037082370301 - SHADOW RIDGE WELL NO 1 NR HUDSON,FL (LAT 28 20 37 LONG 082 37 03)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
24...	1300	--	356	24.5	<.1	7.0

282052082404301 - BEACONWOODS WELL AT NEW PORT RICHEY,FL (LAT 28 20 52 LONG 082 40 43)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JUL , 1984						
24...	1315	--	661	24.0	18	85

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PASCO COUNTY--Continued

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
282207082402401 - HUHDSON WELL NEAR HUDSON,FL (LAT 28 22 07 LONG 082 40 24)						
JUL , 1984 25...	1410	409	416	23.0	13	41
282229082405801 - COASTAL PASCO D. WELL 02 AT HUDSON, FL (LAT 28 22 29 LONG 082 40 58)						
MAY , 1984 17...	1340	31500	31800	25.0	--	11000
SEP 12...	1308	31800	32600	24.5	--	12000
282553082395301 - WHITING WELL DEEP AT ARIPEKA,FL (LAT 28 25 53 LONG 082 39 53)						
JUL , 1984 25...	1045	1900	1850	23.5	36	430
282553082395302 - WHITING WELL SHALLOW AT ARIPEKA,FL (LAT 28 25 53 LONG 082 39 53)						
JUL , 1984 25...	1030	848	789	26.0	<.1	45

KEY TO SITE LOCATIONS ON FIGURE 15

PINELLAS COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	275753082433701	224
1	275815082440401	224
2	275825082460201	225
2	275843082474201	225
3	280022082424901	226
3	280054082471801	226
4	280219082400701	227
5	280446082390701	227
6	280457082420401	228
6	280457082420402	228
7	280511082405602	229
7	280532082405702	229
7	280546082390701	230
7	280556082405702	230
7	280559082402603	231
8	280603082410902	231
8	280614082411601	232
8	280614082411702	232
8	280617082405702	233
8	280631082411702	233
9	280631082454601	234
9	280632082455001	234
10	280638082405502	235
10	280734082442101	235
11	280747082452001	236
11	280753082465201	236
14	280852082414301	237
16	280907082424801	238
16	280907082424802	238
17	280908082394601	239
18	280946082391301	239
19	281022082400201	240

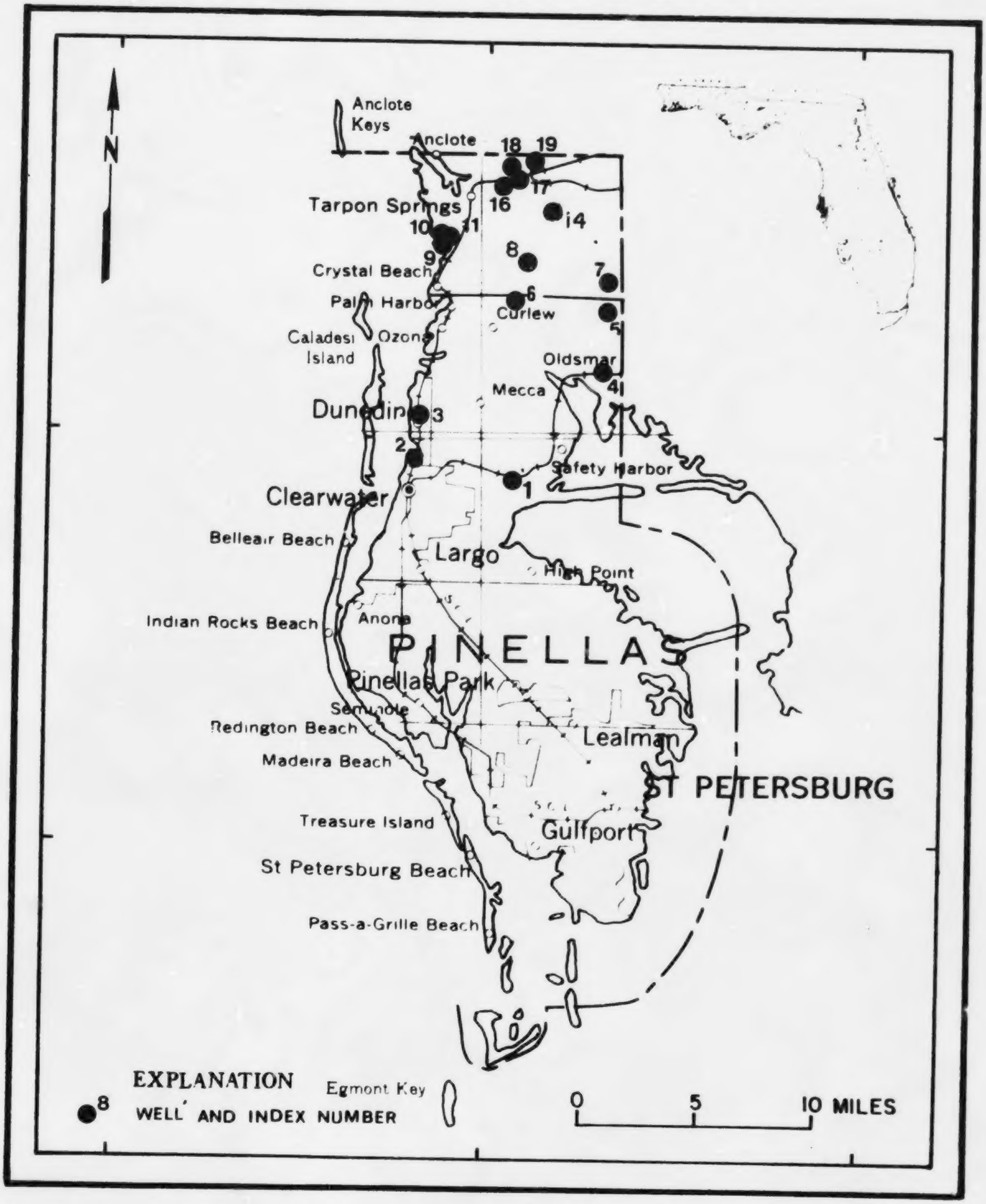
N
Anclote Keys
Anclote
18
19
17
16
Tarpon Springs
14
10
11
9
8
7
Crystal Beach
Palm Harbor
6
Curlew
5
Caladesi Island
Ozona
Oldsmar
4
Mecca
Dunedin
3
2
Safety Harbor
1
Clearwater
Belleair Beach
Largo
High Point
Indian Rocks Beach
Anona
PINELLAS
Pinellas Park
Seminole
Redington Beach
Lealman
Madeira Beach
ST PETERSBURG
Treasure Island
Gulfport
St Petersburg Beach
Pass-a-Grille Beach
EXPLANATION
● 8 WELL AND INDEX NUMBER
Egmont Key
0
5
10 MILES

Figure 15. Location of wells in Pinellas County

PINELLAS COUNTY

WELL NUMBER.--275753082433701. Clearwater-Dunedin Deep Well 27 near Clearwater, FL.

LOCATION.--Lat 27°57'53", long 82°43'37", in SE¼NW¼ sec.17, T.29 S., R.16 E., Hydrologic Unit 03100207, 0.3 mi north of State Highway 60, and 4.3 mi east of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in, depth 560 ft, cased to 523 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 48.06 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1982 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.61 ft NGVD, Sept. 15, 1983; lowest measured, 0.67 ft below NGVD, May 18, 1984.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUN		
05...	1540	1.58	07...	1205	0.11
DEC			AUG		
08...	1435	0.73	16...	1153	1.03
FEB			SEP		
14...	1232	0.85	10...	1442	1.27
APR			13...	1219	0.85
05...	1140	1.08			
MAY					
18...	1003	-0.67			

WELL NUMBER.--275815082440401. Pinellas Well 665 near Clearwater, FL.

LOCATION.--Lat 27°58'15", long 82°44'04", in SW¼SE¼ sec.7, T.29 S., R.16 E., Hydrologic Unit 03100206, 1.1 mi north of State Highway 60, and 4.0 mi east of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 10 in, depth 299 ft, cased to 81 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 33.64 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--June 1954 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.79 ft NGVD, Sept. 15, 1959; lowest, 7.18 ft NGVD, May 14, 15, 22, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.23	9.76	9.88	9.89	9.92	9.95	9.56	8.91	8.55	9.14	10.10	9.67
10	9.89	10.09	9.56	10.18	9.34	9.28	9.73	8.54	8.46	9.13	9.65	9.71
15	10.24	9.77	9.93	10.11	9.70	9.39	9.68	8.25	8.41	9.39	9.46	9.42
20	10.22	9.85	9.96	10.28	9.60	9.63	9.35	7.99	8.91	9.40	9.86	9.71
25	10.35	10.06	9.68	10.20	9.83	9.52	9.32	8.31	8.88	9.47	10.03	9.55
EOM	9.87	9.92	9.67	10.02	9.95	9.25	9.05	8.79	9.00	10.07	9.67	9.86
MAX	10.36	10.10	10.02	10.42	10.06	10.03	9.73	8.96	9.30	10.07	10.14	9.86

WTR YR 1984 MAX 10.42

PINELLAS COUNTY

WELL NUMBER.--275825082460201. Clearwater Well 30 near Clearwater, FL.

LOCATION.--Lat 27°58'25", long 82°46'02", in NE¼NW¼ sec.11, T.29 S., R.15 E., Hydrologic Unit 03100207, 1,500 ft north of Drew Street, 1.0 mi west of Belcher Road, and 1.5 mi northwest of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 10 in, depth 277 ft, cased to 80.3 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.97 ft (corrected) above land-surface datum.

DATUM.--Land-surface datum is 70.70 (corrected) ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.96 ft NGVD, Mar. 18, 1983; lowest, 3.72 ft NGVD, May 19, 1984.

ELEVATION (FEET NCVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.77	5.97	6.48	6.56	6.50	6.58	6.59	5.04	5.05	6.25	7.21	6.21
10	6.05	6.97	5.86	6.62	5.81	5.78	6.55	4.54	4.76	5.73	6.16	6.51
15	6.94	6.38	6.79	6.90	6.59	6.01	5.73	4.75	4.79	6.59	6.56	5.88
20	6.48	6.47	6.80	7.07	6.21	7.05	5.55	3.88	6.11	6.35	7.05	6.77
25	6.62	6.77	4.99	7.06	6.44	6.22	5.46	4.90	5.55	6.71	7.08	6.18
EOM	6.32	6.65	6.35	6.70	6.77	5.69	5.17	5.76	5.53	7.39	6.25	6.75
MAX	7.14	6.97	6.84	7.20	7.03	7.09	6.59	5.79	6.11	7.39	7.43	6.77

WTR YR 1984 MAX 7.43

WELL NUMBER.--275843082474201. Garden Street Triangle Well at Clearwater, FL.

LOCATION.--Lat 27°58'43", long 82°47'42", in NE¼NE¼ sec.9, T.29 S., R.15 E., Hydrologic Unit 03100207, 0.9 mi north of State Highway 60, and 1.0 mi north of City Hall at Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 10 in, depth 208 ft, cased to 54 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 1.17 ft above land-surface datum. Prior to April 1977, top of shelter floor, 1.55 ft above land-surface datum.

DATUM.--Land-surface datum is 32.27 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by tide. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1946 to September 1983, incomplete; October 1983 to September 1984 (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.63 ft NGVD, Sept. 6, 1950; lowest, 3.55 ft NGVD, May 25, 1956.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT		
01...	0700	5.72
06...	1541	5.67
NOV		
10...	1430	5.66
DEC		
14...	1435	5.53
JAN		
12...	1051	5.29
FEB		
16...	1538	4.96
MAR		
15...	1530	4.85
APR		
05...	1557	5.37

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
MAY		
14...	1137	4.26
18...	1114	3.73
JUN		
07...	1536	4.36
JUL		
05...	1103	4.95
AUG		
16...	1528	5.36
SEP		
10...	1126	5.54
13...	1452	5.29

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280022082424901. Clearwater Well 67 near Clearwater, FL.

LOCATION (corrected).--Lat 28°'2", long 82°42'49", in NE¼SE¼ sec.32, T.28 S., R.16 E., Hydrologic Unit 03100206, 1.0 mi north of State Highway 588, 1.0 mi east of U. S. Highway 19, and 3.5 mi northeast of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 297 ft, cased to 92 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 59.19 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.41 ft NGVD, Mar. 17, 1983; lowest, 7.53 ft NGVD, May 17, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

5	9.49	9.10	9.74	9.10	9.20	9.20	9.23	8.64	8.17	8.81	9.71	9.29
10	9.21	9.56	8.85	9.20	8.72	8.68	9.34	8.01	8.23	8.87	9.29	9.34
15	9.52	9.25	9.37	9.34	9.13	8.97	9.28	7.84	8.43	9.26	9.16	9.01
20	9.64	9.51	9.29	9.37	8.98	9.52	8.98	7.89	8.44	9.06	9.43	9.36
25	9.70	9.52	8.62	9.54	9.16	9.15	8.70	8.05	8.61	9.43	9.61	9.12
EOM	9.30	9.13	8.67	9.22	9.26	8.71	8.57	8.39	8.90	9.38	9.18	9.45
MAX	9.70	9.60	9.74	9.85	9.60	9.67	9.39	9.15	8.90	9.90	9.87	9.45

WTR YR 1984 MAX 9.90

WELL NUMBER.--280054082471801. Keller Engineering Deep Well at Dunedin, FL.

LOCATION.--Lat 28°00'54", long 82°47'18", in SE¼SW¼ sec.27, T.28 S., R.15 E., Hydrologic Unit 03100207, 100 ft west of Douglas Road, and 0.3 mi north of Main Street at Dunedin.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 12 in, depth 195 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top edge of concrete lip above well casing, at land-surface datum.

DATUM.--Land-surface datum is 13.57 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1960 to September 1981 (bimonthly); October 1981 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.13 ft NGVD, Sept. 8, 1966; lowest measured, 3.26 ft below NGVD, May 19, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
06...	1621	2.66	14...	1340	2.87
NOV			18...	1130	-1.29
10...	1447	2.41	JUN		
DEC			07...	1550	-0.67
14...	1503	2.36	JUL		
JAN			05...	1117	0.94
12...	1111	1.45	AUG		
FEB			16...	1542	2.22
16...	1553	1.03	SEP		
MAR			10...	1210	5.64
15...	1548	1.25	13...	1506	1.57
APR					
05...	1611	1.59			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280219082400701. City of Oldsmar Test Well at Oldsmar, FL.

LOCATION.--Lat 28°02'19", long 82°40'07", in NE¼NE¼ sec.23, T.28 S., R.16 E., Hydrologic Unit 03100206, 130 ft west of Bayview Boulevard, and 600 ft south of State Highway 582 at Oldsmar.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused test, artesian well, diameter 6 in, depth 174 ft, cased to 108 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 3.56 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 10 ft, from topographic map.

PERIOD OF RECORD.--September 1968 to February 1984 (bimonthly), destroyed. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.83 ft NGVD, May 14, 1979; lowest measured, 5.21 ft NGVD, May 19, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	0828	6.71	FEB 09...	0825	5.66
DEC 09...	0820	6.34			

WELL NUMBER.--280446082390701. East Lake Deep Well 17 near Tarpon Springs, FL.

LOCATION.--Lat 28°04'46", long 82°39'07", in SE¼NE¼ sec.1, T.28 S., R.16 E., Hydrologic Unit 03100206, 3.3 mi north of intersection State Highway 580 and Race Track Road, and 7.9 mi southeast of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 305, cased to 57 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Bottom of access hole in casing, 0.90 ft above land-surface datum.

DATUM.--Land-surface datum is 17.97 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--July to September 1977 (bimonthly); October 1977 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.00 ft NGVD, Oct. 4, 1979; lowest measured, 14.59 ft NGVD, May 19, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	0909	17.16	APR 06...	0830	17.74
NOV 08...	0807	17.38	MAY 14...	0807	16.04
DEC 09...	0902	17.20	JUN 08...	0930	16.21
JAN 09...	0836	17.76	JUL 03...	1008	17.37
FEB 09...	0910	17.52	AUG 10...	0834	17.81
MAR 09...	0818	17.69	SEP 11...	1400	17.53

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280457082420401. Brooker Creek Shallow Well near Oldsmar, FL.

LOCATION.--Lat 28°04'57", long 82°42'04", in NE¼NE¼ sec.4, T.28 S., R.16 E., Hydrologic Unit 03100206, on west side of County Road 77, 1.5 mi north of State Highway 580, and 4.0 mi northwest of Oldsmar.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 90 ft, cased to 82 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of male adaptor, 3.52 ft above land-surface datum. Prior to June 16, 1976, top of casing, 3.50 ft above land-surface datum; June 16, 1976, to Oct. 22, 1981, top of casing, 0.80 ft above land-surface datum.

DATUM.--Land-surface datum is 6.46 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--December 1968 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.69 ft NGVD, Sept. 15, 1971; lowest measured, 3.54 ft NGVD, May 12, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEV-ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV-ATION ABOVE NGVD (FEET) (72020)
OCT 05...	1125	6.02	MAY 14...	1626	4.95
DEC 14...	0810	5.99	JUN 11...	0815	4.95
FEB 08...	1145	5.64	AUG 15...	0808	5.71
APR 10...	1130	6.02	SEP 10...	1630	5.80

WELL NUMBER.--280457082420402. Brooker Creek Well near Oldsmar, FL.

LOCATION.--Lat 28°04'57", long 82°42'04", in NE¼NE¼ sec.4, T.28 S., R.16 E., Hydrologic Unit 03100206, on west side of County Road 77, 1.5 mi north of State Highway 584, and 4.0 mi northwest of Oldsmar.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 310 ft, cased to 300 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.62 ft above land-surface datum.

DATUM.--Land-surface datum is 6.46 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1969 to February 1973 (bimonthly); March 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.87 ft NGVD, Sept. 27, 29, 1979; lowest, 5.43 ft NGVD, Apr. 29, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.71	7.43	7.67	7.66	7.62	7.62	7.65	7.00	6.75	7.29	8.07	7.63
10	7.45	7.67	7.39	8.00	7.25	7.25	7.71	6.54	6.55	7.30	7.70	7.63
15	7.67	7.49	7.75	7.78	7.58	7.44	7.58	6.37	6.64	7.62	7.40	7.39
20	7.70	7.60	7.76	7.86	7.42	7.71	7.34	6.31	6.88	7.60	7.69	7.68
25	7.82	7.83	7.43	7.89	7.63	7.52	7.21	6.66	7.03	7.75	7.77	7.47
EOM	7.46	7.62	7.40	7.64	7.80	7.31	6.95	7.07	7.22	8.13	7.43	7.72
MAX	7.89	7.90	7.76	8.11	8.00	7.98	7.71	7.22	7.22	8.15	8.12	7.72

WTR YR 1984 MAX 8.15

PINELLAS COUNTY

WELL NUMBER.--280511082405602. East Lake Shallow Well 8 near Oldsmar, FL.

LOCATION.--Lat 28°05'11", long 82°40'56", in SE¼SE¼ sec.34, T.27 S., R.16 E., Hydrologic Unit 03100206, 2.5 mi northeast of intersection State Highway 584 and East Lake Road, and 3.6 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12.4 ft, cased to 7.4 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.80 ft above land-surface datum.

DATUM.--Land-surface datum is 13.00 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1976 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly). Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.67 ft NGVD, Feb. 9, 1981; lowest measured, 8.95 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1420	10.81	APR 06...	1045	12.43
NOV 08...	0906	11.47	MAY 14...	0944	9.86
DEC 09...	1104	11.84	JUN 08...	1116	10.18
JAN 09...	0945	12.08	JUL 03...	1118	11.49
FEB 09...	1107	11.46	AUG 10...	1053	11.43
MAR 09...	0908	11.87	SEP 10...	1245	12.07

WELL NUMBER.--280532082405702. East Lake Shallow Well 7 near Oldsmar, FL.

LOCATION.--Lat 28°05'32", long 82°40'57", in NE¼SE¼ sec.34, T.27 S., R.16 E., Hydrologic Unit 03100206, 2.8 mi northeast of intersection State Highway 584 and East Lake Road, and 3.9 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12.3 ft, cased to 7.3 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 13.90 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1975 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly). Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.01 ft NGVD, Sept. 18, 1975; lowest measured, 9.42 ft NGVD, May 11, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1426	10.32	APR 06...	1040	11.12
NOV 08...	0912	10.30	MAY 14...	0956	9.79
DEC 09...	1111	10.43	JUN 08...	1124	9.80
JAN 09...	0952	11.25	JUL 03...	1125	10.29
FEB 09...	1113	10.45	AUG 10...	1100	10.96
MAR 09...	0918	10.80	SEP 10...	1229	11.07

WELL NUMBER.--280546082390701. East Lake Deep Well 14 near Tarpon Springs, FL.

LOCATION.--Lat 28°05'46", long 82°39'07", in SE¼NE¼ sec.36, T.27 S., R.16 E., Hydrologic Unit 03100206, 4.3 mi north of intersection State Highway 580 and Race Track Road, and 7.2 mi southeast of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in, depth 305 ft, cased to 57 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in casing, 1.20 ft above land-surface datum.

DATUM.--Land-surface datum is 22.53 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--July 1977 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.40 ft NGVD, Aug. 27, 1980; lowest measured, 14.91 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	0924	18.10	APR 06...	0843	19.28
NOV 08...	0820	18.56	MAY 14...	0817	16.71
DEC 09...	0913	18.06	JUN 08...	0943	16.64
JAN 09...	0848	19.31	JUL 03...	1031	18.56
FEB 09...	0921	19.43	AUG 10...	0848	19.29
MAR 08...	0828	19.65	SEP 11...	1409	18.59

WELL NUMBER.--280556082405702. East Lake Shallow Well 4 near Oldsmar, FL.

LOCATION.--Lat 28°05'56", long 82°40'57", in NE¼NE¼ sec.34, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.2 mi northeast of intersection State Highway 584 and East Lake Road, and 4.4 mi northeast of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 10.7 ft, cased to 5.7 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum. Prior to Jan. 9, 1984, top of casing, 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 15.00 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1975 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to April 1984 (monthly), destroyed. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.39 ft NGVD, Mar. 8, 1983; lowest measured, 9.50 ft NGVD, May 15, 1976.

ELEVATION, IN FEET NGVD, OCTOBER 1983 TO APRIL 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1543	13.10	FEB 09...	1127	13.93
NOV 08...	1211	13.94	MAR 09...	0928	14.32
DEC 09...	1202	14.03	APR 06...	1107	13.75
JAN 09...	1509	14.46			

WELL NUMBER.--280559082402603. East Lake Shallow Well 9 near Tarpon Springs, FL.

LOCATION.--Lat 28°05'59", long 82°40'26", in NE¼NW¼ sec.35, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.3 mi northeast of intersection State Highway 584 and East Lake Road, and 6.1 mi southeast of Tarpon Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 10 ft, cased to 8 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in cap, 0.69 ft above land-surface datum. Prior to Dec. 13, 1979, top of recorder shelter floor, 3.00 ft above land-surface datum; Dec. 13, 1979 to Mar. 13, 1980, top of recorder shelter floor, 3.68 ft above land-surface datum.

DATUM.--Land-surface datum is 17.36 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--January 1978 to March 1980, incomplete; April 1980 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.07 ft NGVD, Sept. 24, 1979; lowest measured, 12.04 ft NGVD, June 5, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1307	14.40	APR 06...	1020	16.05
NOV 08...	0850	15.04	MAY 14...	0922	13.28
DEC 09...	1048	15.15	JUN 08...	1059	13.22
JAN 09...	0920	15.52	JUL 03...	1059	13.41
FEB 09...	1048	14.88	AUG 10...	1038	15.17
MAR 09...	0854	15.25	SEP 11...	1511	15.83

WELL NUMBER.--280603082410902. East Lake Shallow Well 3 near Oldsmar, FL.

LOCATION.--Lat 28°06'03", long 82°41'09", in SE¼SE¼ sec.27, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.1 mi northeast of intersection State Highway 584 and East Lake Road, and 4.6 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 9.4 ft, cased to 4.4 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 4.50 ft above land-surface datum.

DATUM.--Land-surface datum is 13.00 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1976 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly). Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.89 ft NGVD, Sept. 18, 1979; lowest measured, 6.58 ft NGVD, July 3, 1984.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1517	11.59	APR 06...	1133	12.14
NOV 08...	1202	11.40	MAY 14...	1054	6.71
DEC 09...	1154	11.31	JUN 08...	1204	7.29
JAN 09...	1444	12.06	JUL 03...	1206	6.58
FEB 09...	1151	8.97	AUG 10...	1132	11.72
MAR 09...	0941	11.41	SEP 10...	1102	11.79

WELL NUMBER.--280614082411601. East Lake Monitor M2 Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°06'14", long 82°41'16", in SW¼SE¼ sec.27, T.27 S., R.16 E., Hydrologic Unit 03100206, 0.4 mi east of East Lake Road, 3.2 mi south of State Highway 582, and 5.2 mi southeast of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 538 ft, cased to 507 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.29 ft above land-surface datum.

DATUM.--Land-surface datum is 14.80 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January to September 1978 (bimonthly); October 1978 to current year (monthly), incomplete.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.60 ft NGVD, Sept. 18, 1979; lowest measured, 8.09 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1509	12.18	APR 06...	1150	12.67
NOV 08...	1155	11.84	MAY 15...	1509	10.81
DEC 09...	1143	12.25	JUN 08...	1233	11.11
JAN 13...	1237	13.28	JUL 03...	1223	12.19
FEB 09...	1222	12.38	AUG 10...	1208	12.83
MAR 09...	1535	12.55	SEP 10...	1043	12.67

WELL NUMBER.--280614082411702. East Lake Shallow Well 2 near Oldsmar, FL.

LOCATION.--Lat 28°06'14", long 82°41'17", in NW¼SE¼ sec.27, T.27 S., R.16 L., Hydrologic Unit 03100206, 3.2 mi northeast of intersection State Highway 584 and East Lake Road, and 4.8 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 13.9 ft, cased to 12.4 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 14.50 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1976 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to January 1984 (monthly), destroyed. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.33 ft NGVD, Mar. 8, 1983; lowest measured, 10.70 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, OCTOBER 1983 TO JANUARY 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1449	13.51	DEC 09...	1135	13.54
NOV 08...	1142	13.59			

PINELLAS COUNTY

WELL NUMBER.--280617082405702. East Lake Shallow Well 5 near Oldsmar, FL.

LOCATION.--Lat 28°06'17", long 82°40'57", in NW¼SW¼ sec.26, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.5 mi northeast of intersection State Highway 584 and East Lake Road, and 4.7 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12 ft, cased to 9 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 13.00 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1976 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly), incomplete. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.42 ft NGVD, Mar. 8, 1983; lowest measured, 8.57 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1550	10.60	JUN 08...	1136	9.89
NOV 08...	1219	11.51	JUL 03...	1134	11.10
DEC 09...	1209	11.61	SEP 10...	1131	11.60
MAY 14...	1032	9.96			

WELL NUMBER.--280631082411702. East Lake Shallow Well 1 near Oldsmar, FL.

LOCATION.--Lat 28°06'31", long 82°41'17", in SW¼NE¼ sec.27, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.6 mi northeast of intersection State Highway 584 and East Lake Road, and 5.1 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12 ft, cased to 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 1.40 ft above land-surface datum.

DATUM.--Land-surface datum is 13.60 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--May 1976 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly). Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.25 ft NGVD, July 13, 1982; lowest measured, 8.52 ft NGVD, June 5, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 07...	1441	11.02	APR 06...	1201	10.54
NOV 08...	1135	11.20	MAY 14...	1128	10.38
DEC 09...	1130	11.16	JUN 08...	1222	10.29
JAN 13...	1222	12.19	JUL 03...	1218	10.93
FEB 09...	1209	11.26	AUG 10...	1159	11.47
MAR 09...	1543	11.35	SEP 10...	0959	11.37

PINELLAS COUNTY

WELL NUMBER.--280631082454601. N. W. Pinellas Injection Monitor Shallow Well near Tarpon Springs, FL.

LOCATION.--Lat 28°06'31", long 82°45'46", in SW¼NW¼ sec.25, T.27 S., R.15 E., Hydrologic Unit 03100207, 0.4 mi east of Alternate U. S. Highway 19, and 2.6 mi south of Tarpon Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 12 ft, cased to 8 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.40 ft above land-surface datum. Prior to Sept. 23, 1977, top of recorder shelter floor, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 8.74 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by spray irrigation of area around well. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--May 1974 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.36 ft NGVD, Sept. 20, 1983; lowest, 1.32 ft NGVD, June 30, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.71	4.90	4.14	5.14	4.21	4.25	4.35	3.17	3.31	4.59	5.50	4.41
10	4.40	4.62	4.53	5.09	3.86	3.97	4.13	3.03	3.07	4.00	4.90	4.79
15	4.94	4.26	4.68	4.87	4.13	3.87	3.84	2.86	2.91	4.78	4.61	4.88
20	4.74	4.40	5.65	4.68	3.77	3.80	3.66	2.65	2.83	4.24	4.73	5.20
25	4.78	4.46	4.81	4.55	4.09	3.64	3.47	2.96	3.14	5.00	5.07	4.57
EOM	4.74	4.27	5.81	4.43	4.50	3.91	3.28	3.67	3.57	6.00	4.53	5.40
MAX	4.99	4.90	5.96	5.58	4.50	4.50	4.35	3.75	3.68	6.00	5.90	6.27

WTR YR 1984 MAX 6.27

WELL NUMBER.--280632082455001. N. W. Pinellas Injection Monitor Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°06'32", long 82°45'50", in SW¼NW¼ sec.25, T.27 S., R.15 E., Hydrologic Unit 03100207, 0.4 mi east of Alternate U. S. Highway 19, and 2.6 mi south of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 96 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 14.98 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.66 ft NGVD, Aug. 4, 1984; lowest, 1.20 ft NGVD, Apr. 11, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.82	3.57	3.23	4.09	3.22	3.14	3.02	2.67	2.52	2.80	4.50	3.47
10	3.45	3.50	3.01	4.00	2.81	2.76	2.99	2.23	2.57	2.72	4.07	3.47
15	3.57	3.29	3.19	3.75	3.01	2.77	3.04	2.20	2.61	3.04	3.61	3.51
20	3.75	3.49	3.64	3.55	2.80	3.06	2.88	2.27	2.25	3.03	3.66	3.76
25	3.92	3.63	3.34	3.52	2.95	2.86	2.46	2.21	2.37	3.43	4.16	3.90
EOM	3.49	3.22	3.61	3.30	3.17	2.88	2.53	2.50	2.70	4.46	3.70	4.14
MAX	3.92	3.67	3.71	4.09	3.36	3.50	3.18	2.81	2.71	4.46	4.66	4.14

WTR YR 1984 HIGH 4.66 AUG 4

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280638082405502. East Lake Shallow Well 6 near Oldsmar, FL.

LOCATION.--Lat 28°06'38", long 82°40'55", in SW¼NW¼ sec.26, T.27 S., R.16 E., Hydrologic Unit 03100206, 3.9 mi northeast of intersection State Highway 584 and East Lake Road, and 5.1 mi northwest of Oldsmar.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 110 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 12 ft, cased to 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 14.00 ft National Geodetic Vertical Datum of 1929 (levels by Pinellas County).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1975 to February 1980 (semiannually); March to September 1980 (bimonthly); October 1980 to current year (monthly), incomplete. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.76 ft NGVD, Sept. 18, 1975; lowest measured, 8.71 ft NGVD, May 11, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUN		
07...	1556	11.08	08...	1144	9.95
NOV			JUL		
08...	1225	11.22	03...	1152	10.32
DEC			SEP		
09...	1216	11.32	10...	1147	11.69
MAY					
14...	1023	10.15			

WELL NUMBER.--280734082442101. ROMP TR 15-3 Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°07'34", long 82°44'21", in NW¼NE¼ sec.19, T.27 S., R.16 E., Hydrologic Unit 03100207, 400 ft east of U. S. Highway 19, and 1.4 mi south of Tarpon Springs.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 150 ft, cased to 147 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.40 ft above land-surface datum.

DATUM.--Land-surface datum is 25.02 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.28 ft NGVD, June 18, 1982; lowest, 3.10 ft NGVD, June 9, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.63	4.44	4.33	4.59	4.40	4.29	4.45	4.10	3.67	4.04	4.75	4.31
10	4.35	4.38	4.10	4.84	4.40	4.05	4.36	3.69	3.85	4.20	4.55	4.31
15	4.32	4.21	4.16	4.47	4.39	4.37	4.36	3.88	4.10	4.25	4.30	4.20
20	4.43	4.80	4.42	4.39	4.26	4.70	4.20	3.92	3.54	4.22	4.44	4.42
25	4.62	4.49	3.78	4.48	4.17	4.23	3.91	3.76	3.83	4.49	4.54	4.46
EOM	4.35	4.07	3.94	4.25	4.32	4.05	4.06	3.84	4.13	4.90	4.34	4.59
MAX	4.66	4.80	4.61	4.84	4.60	5.01	4.60	4.37	4.13	4.96	4.89	4.63

WTR YR 1984 MAX 5.01

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280747082452001. ROMP TR 15-2 Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°07'47", long 82°45'20", in NE¼NW¼ sec.24, T.27 S., R.15 E., Hydrologic Unit 03100207, 30 ft north of Curlew Place, 400 ft east of U. S. Alternate Highway 19, and 1.1 mi south of Tarpon Springs.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 54 ft, cased to 50 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 3.30 ft above land-surface datum.

DATUM.--Land-surface datum is 12.98 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1978 to September 1981; October 1981 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.67 ft NGVD, Sept. 29, 30, 1979; lowest, 2.05 ft NGVD, Jan. 17, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 12...	1153	3.31	MAY 18...	1225	2.39
DEC 09...	1524	2.89	JUN 11...	1540	2.67
FEB 15...	1527	2.73	AUG 17...	1542	3.84
APR 06...	1526	2.97	SEP 13...	1014	3.16

WELL NUMBER.--280753082465201. ROMP TR 15-1 Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°07'53", long 82°46'52", in NW¼SW¼ sec.14, T.27 S., R.15 E., Hydrologic Unit 03100207, 70 ft south of Castleworks Lane, 200 ft east of Florida Avenue, and 1.7 mi southwest of Tarpon Springs.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 87 ft, cased to 68 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.40 ft above land-surface datum.

DATUM.--Land-surface datum is 8.15 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.03 ft NGVD, Sept. 29, 1979; lowest, 1.50 ft NGVD, Jan. 30, 31, Feb. 1, 2, 1981 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.34	2.99	2.79	2.98	2.54	2.54	2.64	2.54	2.36	2.57	2.99	2.76
10	3.00	2.99	2.53	3.01	2.24	2.20	2.67	2.09	2.47	2.62	2.99	2.70
15	2.98	2.79	2.69	2.71	2.45	2.41	2.82	2.21	2.61	2.76	2.83	2.64
20	3.03	3.10	2.86	2.65	2.35	2.77	2.58	2.20	2.24	2.59	2.94	2.94
25	3.21	3.10	2.32	2.65	2.28	2.43	2.29	2.20	2.38	2.98	2.85	2.75
EOM	2.86	2.52	2.62	2.53	2.58	2.32	2.46	2.40	2.56	3.78	2.71	3.28
MAX	3.34	3.14	2.91	3.06	2.72	3.02	2.88	2.71	2.64	3.78	3.77	3.28

WTR YR 1984 MAX 3.78

PINELLAS COUNTY

WELL NUMBER.--280852082414301. North Lake Tarpon Well near Tarpon Springs, FL.

LOCATION.--Lat 28°08'52", long 82°41'43", in NW¼SW¼ sec.10, T.27 S., R.16 E., Hydrologic Unit 03100207, at junction State Highway 582 and County Road 77, and 3.5 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 780 ft, cased to 758 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 48.13 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--March 1967 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft NGVD, Sept. 3, 1969; lowest measured, 9.07 ft NGVD, June 2, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	1527	12.84	APR 30...	1620	11.43
NOV 08...	1416	13.56	MAY 14...	1421	10.27
DEC 12...	1531	13.29	JUN 04...	1531	11.38
JAN 09...	1223	13.52	JUL 02...	0803	12.52
FEB 06...	1446	14.02	AUG 09...	1512	13.38
MAR 07...	0759	14.22	SEP 05...	0836	12.45
APR 02...	1533	12.01	10...	1618	12.29

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--280907082424801. Tarpon Road Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28°09'07", long 82°42'48", in SW¼NW¼ sec.9, T.27 S., R.16 E., Hydrologic Unit 03100207, 25 ft north of State Highway 582, and 2.6 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 305 ft, cased to 205 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.23 ft above land-surface datum.

DATUM.--Land-surface datum is 21.77 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.06 ft NGVD, Sept. 15, 1971; lowest, 8.60 ft NGVD, June 29, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.10	10.89	10.85	11.48	11.25	11.27	11.16	10.36	10.07	10.91	11.83	10.96
10	10.68	11.15	10.80	11.67	10.83	10.81	11.29	9.99	9.64	10.95	11.44	11.06
15	11.18	10.84	11.18	11.55	11.29	10.99	11.11	9.77	9.62	11.19	11.10	10.76
20	11.21	10.96	11.37	11.46	10.93	11.14	10.77	9.70	10.25	11.10	11.33	10.99
25	11.34	11.11	10.89	11.51	11.14	10.85	10.73	10.25	10.61	11.44	11.39	10.68
EOM	10.93	10.92	11.27	11.25	11.47	10.82	10.42	10.65	10.71	11.97	10.80	11.16
MAX	11.42	11.18	11.39	11.71	11.49	11.39	11.29	10.78	10.71	11.97	11.95	11.16

WTR YR 1984 MAX 11.97

WELL NUMBER.--280907082424802. Tarpon Road Shallow Well near Tarpon Springs, FL.

LOCATION.--Lat 28°09'07", long 82°42'48", in SW¼NW¼ sec.9, T.27 S., R.16 E., Hydrologic Unit 03100207, 25 ft north of State Highway 582, and 2.6 mi east of Tarpon Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 12 ft, cased to 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 21.48 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1965 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.93 ft NGVD, Sept. 15, 1971; well dry July 9, 1973, June 1, July 28, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
03...	1437	13.02	14...	1427	12.19
DEC			JUN		
12...	1448	11.97	04...	1445	12.53
FEB			AUG		
06...	1540	13.17	09...	1418	14.49
APR			SEP		
02...	1451	12.65	10...	1608	13.43

PINELLAS COUNTY

WELL NUMBER.--280908082394601. Eldridge-Wilde Monitor Well 5 near Tarpon Springs, FL.

LOCATION.--Lat 28°09'08", long 82°39'46", in SW¼NW¼ sec.12, T.27 S., R.16 E., Hydrologic Unit 03100207, 0.6 mi north of State Highway 582, and 5.7 mi west of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 229 ft, cased to 58 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.40 ft above land-surface datum.

DATUM.--Land-surface datum is 29.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--December 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.38 ft NGVD, Sept. 27, 1979; lowest, 11.19 ft below NGVD, Jan. 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.51	8.13	6.43	16.59	14.50	14.85	12.72	2.13	.75	12.17	13.73	8.96
10	.37	15.68	10.39	19.38	11.88	9.03	15.74	12.72	-1.98	4.04	8.29	4.55
15	13.39	9.27	16.99	19.79	16.92	8.68	10.35	-0.95	8.55	13.73	6.36	-1.61
20	6.11	6.75	15.73	19.84	11.94	11.96	7.38	-1.07	9.22	9.57	9.72	10.73
25	11.68	14.54	18.24	19.53	17.02	5.10	9.04	3.32	9.50	11.99	4.18	3.79
EOM	5.51	10.75	19.45	16.60	18.95	6.93	3.26	16.02	12.58	19.90	12.11	7.12
MAX	14.29	15.68	20.11	20.36	18.95	19.09	15.74	16.02	14.19	19.90	17.65	15.41

WTR YR 1984 HIGH 20.36 JAN 13

WELL NUMBER.--280946082391301. Eldridge-Wilde Well 113A near Tarpon Springs, FL.

LOCATION.--Lat 28°09'46", long 82°39'13", in NE¼SE¼ sec.1, T.27 S., R.16 E., Hydrologic Unit 03100207, 1.2 mi north of State Highway 582, and 6.4 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 114 ft, cased to 58 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 8 in extension, 1.70 ft above land-surface datum. Prior to Mar. 24, 1977, top of casing at land-surface datum.

DATUM.--Land-surface datum is 34.34 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--November 1972 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.87 ft NGVD, Sept. 2, 1983; lowest, 2.59 ft below NGVD, June 15, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.28	15.48	17.42	18.28	17.73	16.55	18.82	6.32	5.84	14.60	17.07	17.91
10	12.54	17.71	16.93	20.56	18.36	16.48	16.62	11.36	4.09	12.46	14.22	14.46
15	17.03	16.98	18.26	19.54	15.93	15.43	18.56	5.01	11.31	13.36	15.50	10.25
20	17.16	13.65	19.62	20.54	14.03	15.86	12.55	6.49	11.73	14.78	18.24	17.99
25	14.35	16.99	17.00	19.39	16.32	15.43	11.89	13.37	9.61	20.45	16.33	13.10
EOM	11.16	14.60	19.72	16.26	18.94	10.83	6.33	15.57	11.57	21.71	12.76	15.24
MAX	17.38	18.53	22.00	21.14	18.94	19.10	19.63	16.88	12.47	21.71	18.95	18.99

WTR YR 1984 HIGH 22.00 DEC 24

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PINELLAS COUNTY

WELL NUMBER.--281022082400201. Eldridge-Wilde Deep Well N3 near Tarpon Springs, FL.

LOCATION.--Lat 28°10'22", long 82°40'02", in NW¼NW¼ sec.1, T.27 S., R.16 E., Hydrologic Unit 03100207, 2.4 mi northeast of intersection State Highway 582 and East Lake Road, and 4.8 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 350 ft, cased to 100 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 28.78 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--July 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.74 ft NGVD, Sept. 27, 1979; lowest, 8.51 ft NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.19	17.64	18.13	19.39	19.12	17.44	18.81	13.75	13.22	16.51	18.45	17.09
10	15.21	19.28	17.56	20.21	18.77	17.29	19.12	14.74	11.26	16.04	16.65	16.31
15	18.42	18.11	19.38	20.30	18.55	17.41	18.60	11.58	14.13	17.26	16.37	14.19
20	18.36	17.33	19.65	20.32	16.73	17.01	15.65	11.86	15.28	16.72	17.83	17.91
25	18.71	18.37	19.76	19.54	18.74	16.53	16.49	16.01	15.03	19.85	17.54	15.07
EOM	17.44	17.98	20.52	18.99	19.50	15.59	13.43	17.96	15.64	20.76	15.44	16.29
MAX	19.46	19.31	20.52	20.80	19.50	19.65	19.67	17.96	16.92	20.76	19.06	18.21

WTR YR 1984 MAX 20.80

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
273655082440901	FT DESOTO DEEP AT FT DESOTO PARK,FL	27 36 55	082 44 09	01	84-05-14	8.66
					84-09-14	10.68
273907082403701	SKYWAY NORTH WELL	27 39 07	082 40 37	01	84-05-14	12.61
					84-09-14	15.16
274259082410205	WELL NUMBER B5 SW ST PETERSBURG MON 396	27 42 59	082 41 02	05	84-05-16	12.13
					84-09-11	15.13
274323082374301	COQUINA KEY ARMS	27 43 23	082 37 43	01	84-05-15	6.59
					84-09-11	6.81
274443082422901	HOYT PARK DP WELL NR GULFPORT	27 44 43	082 42 29	01	84-09-11	14.31
274614082425205	WELL NUMBER B5 BEAR CR INJ MONITOR 300	27 46 14	082 42 52	05	84-05-15	6.84
					84-09-11	9.27
274624082383701	WELL 7462382437	27 46 24	082 38 37	01	84-05-15	5.08
					84-09-11	7.75
274754082473201	F. JOHNSON WELL AT MADERIA BEACH, FL	27 47 54	082 47 32	01	84-09-11	7.32
274848082461201	WAR VETS MEM PK DP WELL #1 NR SEMINOLE	27 48 48	082 46 12	01	84-09-11	4.66
274859082390701	ROBERTS COMM CTR DP NR ST PETE	27 48 59	082 39 07	01	84-05-16	3.90
					84-09-12	6.83
274904082423601	MILLER	27 49 04	082 42 36	01	84-09-12	7.78
274929082443504	SOUTH CROSS BAYOU WELL A4 AT ST PETERSBURG FL	27 49 29	082 44 35	04	84-05-15	3.87
					84-09-11	8.76
274934082370704	NORTH EAST INJ MON B4	27 49 34	082 37 07	04	84-05-16	0.30
					84-09-12	6.03
274937082480801	TIDES GOLF DP WELL NR SEMINOLE	27 49 37	082 48 08	01	84-05-15	4.20
					84-09-11	6.57
275121082412601	TAMERAK DP WELL NR PIN PK	27 51 21	082 41 26	01	84-05-16	3.83
					84-09-12	6.31
275126082480201	KRAMER DP WELL NR LK SEMINOLE	27 51 26	082 48 02	01	84-05-15	8.38
					84-09-10	10.69
275137082382701	KOGER DEEP AT ST. PETE, FL	27 51 37	082 38 27	01	84-05-16	0.85
					84-09-12	3.18
275138082450301	BARDMOOR DP WELL NR SEMINOLE	27 51 38	082 45 03	01	84-09-11	7.74
275430082460701	EAST BAY COUNTRY CLUB NR LARGO,FL	27 54 30	082 46 07	01	84-09-11	6.63
275604082431701	COVE CAY DP WELL NR LARGO	27 56 04	082 43 17	01	84-05-14	2.96
					34-09-10	5.02
275604082481101	29S15E28 SHALLOW WELL 35 AT CLEARWATER,FLA	27 56 04	082 48 11	01	84-05-14	39.78
					84-09-10	41.07
275605082480901	BELLEAIR D WELL 6 AT BELLEAIR	27 56 05	082 48 09	01	84-09-10	3.71
275631082435301	CLE-DUN S. WELL 35 NR LARGO,FL	27 56 31	082 43 53	01	84-05-14	8.81
					84-09-10	9.45
275736082451201	29S15E13 SHALLOW WELL 32 AT CLEARWATER,FLA	27 57 36	082 45 12	01	84-05-14	68.97
					84-09-10	69.44
275740082461701	CLEARWATER PROD WELL #8 AT CLEARWATER,FL	27 57 40	082 46 17	01	84-05-14	1.36
					84-09-10	5.31
275753082433702	CLE-DUN S. WELL 30 NR CLEARWATER,FL	27 57 53	082 43 37	02	84-05-14	44.30
					84-09-10	45.59
275753082435301	CLE-DUN D. WELL 31 NR CLEARWATER,FL	27 57 53	082 43 53	01	84-05-14	4.22
					84-09-13	5.05
275818082464601	CLW COUNTRY CLUB #4 AT CLEARWATER	27 58 18	082 46 46	01	84-09-10	2.15
275819082453902	CLW 54 SH AT CLEARWATER FL	27 58 19	082 45 39	02	84-05-14	66.47
					84-09-10	67.90
275829082472502	CLW 37 SH AT CLEARWATER,FL	27 58 29	082 47 25	02	84-05-14	17.75
					84-09-10	18.60

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PINELLAS					
275842082430301	MISSION HILLS NR SAFETY HARBOR, FL	27 58 42	082 43 03	01	84-09-10	11.97
275844082423401	BILGORE DP WELL NR CLEARWATER	27 58 44	082 42 34	01	84-05-14	7.14
					84-09-10	8.07
275918082450302	CLW 39 SH AT CLEARWATER FL	27 59 18	082 45 03	02	84-05-14	51.20
					84-09-10	51.88
275920082452001	WELL 66A NEAR DUNEDIN , FL	27 59 20	082 45 20	01	84-05-14	7.00
					84-09-10	8.77
275925082421001	CLE-DUN S. WELL 25 AT SAFETY HARBOR, FL	27 59 25	082 42 10	01	84-05-14	38.39
					84-09-10	38.30
275925082434501	T29SR16E05 SHALLOW WELL 26 NR SAFETY HARBOR,FLA	27 59 25	082 43 45	01	84-05-14	73.51
					84-09-10	74.11
275949082442401	SYL ABBEY DP WELL NR SFTY HARBOR	27 59 49	082 44 24	01	84-05-14	8.39
					84-09-10	10.36
280004082394201	HIGGINS NORTH DEEP NR OLDSMAR,FL	28 00 04	082 39 42	01	84-05-14	-2.17
					84-09-10	-0.10
280013082471301	CLE-DUN D WELL 4 AT DUNEDIN	28 00 13	082 47 13	01	84-05-14	2.64
280015082471201	CLE-DUN D. WELL 23 AT DUNEDIN,FL	28 00 15	082 47 12	01	84-05-14	5.31
					84-05-15	4.53
					84-09-10	6.26
280017082431301	CLEARWATER PROD WELL #70 AT CLEARWATER,FL	28 00 17	082 43 13	01	84-05-14	4.10
					84-09-10	5.56
280030082405101	PHILLIPPI PARK 242 NR SAFETY HB	28 00 30	082 40 51	01	84-09-13	-0.20
280041082443402	28S16E30	28 00 41	082 44 34	02	84-05-14	68.38
					84-09-10	68.72
280059082464901	CLE-DUN S. WELL 21 NR DUNEDIN, FL	28 00 59	082 46 49	01	84-05-14	14.04
					84-09-10	14.74
280104082463101	CLE-DUN D. WELL 20 AT DUNEDIN,FL	28 01 04	082 46 31	01	84-05-14	4.94
					84-09-10	6.46
280105082423201	USGS S C-32	28 01 05	082 42 32	01	84-05-14	45.87
					84-09-10	47.63
280107082433801	FOREST SER DP WELL NR DUNEDIN	28 01 07	082 43 38	01	84-05-14	5.05
					84-09-10	6.97
280107082460401	CLE-DUN S. WELL 18 AT DUNEDIN, FL	28 01 07	082 46 04	01	84-05-14	26.36
					84-09-10	27.50
280122082471101	CLE-DUN D. WELL 22 AT DUNEDIN, FL	28 01 22	082 47 11	01	84-05-14	2.73
					84-05-15	4.30
					84-09-10	3.73
					84-09-11	3.61
					84-09-11	3.74
280123082423402	C-30A 123	28 01 23	082 42 34	02	84-05-14	55.95
					84-09-10	57.64
280126082452301	CLE-DUN D WELL 16 NR DUNEDIN	28 01 26	082 45 23	01	84-09-10	4.05
280129082445501	SWFWMD 6" TEST WELL #1 AT DUNEDIN , FL	28 01 29	082 44 55	01	84-05-14	2.70
					84-09-10	4.72
280214082464201	CLE-DUN D. WELL 12 AT DUNEDIN, FL	28 02 14	082 46 42	01	84-05-14	5.09
					84-09-10	5.48
280217082454601	CLE-DUN D WELL NR DUNEDIN	28 02 17	082 45 46	01	84-05-14	4.07
					84-09-10	5.55
280219082455701	CLE-DUN D. WELL 13 NR DUNEDIN, FL	28 02 19	082 45 57	01	84-05-14	3.67
280228082465001	CLE-DUN D. WELL 11 NR DUNEDIN, FL	28 02 28	082 46 50	01	84-05-14	4.07
					84-05-15	4.85
					84-09-10	4.71
					84-09-11	4.34
280229082451801	CLE-DUN D WELL 11 NR DUNEDIN	28 02 29	082 45 18	01	84-05-14	4.36
					84-09-10	5.89

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PINELLAS					
280254082441602	CLE-DUN D. WELL 17 NR DUNEDIN, FL	28 02 54	082 44 16	02	84-05-14	8.10
					84-05-15	7.95
					84-09-10	9.40
					84-09-11	9.43
280420082451901	CLE-DUN D. WELL 09 NR PALM HARBOR, FL	28 04 20	082 45 19	01	84-05-15	1.88
					84-09-11	2.83
280457082420403	BROOKER CREEK SHALLOW	28 04 57	082 42 04	03	84-05-14	0.07
					84-09-10	1.30
280511082405601	E. LAKE WF D. WELL 8 NR OLDSMAR,FL	28 05 11	082 40 56	01	84-09-10	12.10
280532082405701	E. LAKE WF D. WELL 7 NR OLDSMAR,FL	28 05 32	082 40 57	01	84-05-14	11.22
280556082405701	E. LAKE WELL FIELD D. WELL 4 NR OLDSMAR,FL	28 05 56	082 40 57	01	84-05-14	11.65
					84-09-11	13.32
280559082402601	E. LAKE WELL	28 05 59	082 40 26	01	84-05-14	13.44
					84-09-11	15.11
280603082410901	E. LAKE WF D. WELL 3 NR OLDSMAR, FL	28 06 03	082 41 09	01	84-05-14	11.10
					84-09-10	12.92
280614082411602	EL-143 SH NR OLDSMAR	28 06 14	082 41 16	02	84-05-15	10.80
					84-09-10	12.70
280614082411701	E. LAKE WF D. WELL 2 NR OLDSMAR,FL	28 06 14	082 41 17	01	84-05-14	11.29
					84-09-10	13.09
280617082405701	E. LAKE WF D. WELL 5 NR OLDSMAR,FL	28 06 17	082 40 57	01	84-05-14	11.87
					84-09-10	13.64
280624082404101	E. LAKE WF D. WELL 141 NR OLDSMAR,FL	28 06 24	082 40 41	01	84-05-14	12.47
280624082404102	E. LAKE WF S. WELL 141 NR OLDSMAR,FL	28 06 24	082 40 41	02	84-05-14	11.98
280629082414101	WELL 806 241 2941	28 06 29	082 41 41	01	84-05-15	12.27
					84-09-10	14.01
280631082411701	E. LAKE WF D. WELL 1 NR OLDSMAR,FL	28 06 31	082 41 17	01	84-05-14	11.48
					84-09-10	13.34
280634082453405	27S15E25 INNISBROOK 144	28 06 34	082 45 34	05	84-06-19	6.70
					84-08-20	8.20
280638082405501	E. LAKE WF D. WELL 6 NR OLDSMAR,FL	28 06 38	082 40 55	01	84-05-14	12.40
280651082412201	E. LAKE WF S. WELL 145 NR OLDSMAR,FL	28 06 51	082 41 22	01	84-05-14	12.29
					84-09-10	13.94
280712082414701	D&S RANCH 118SH	28 07 12	082 41 47	01	84-05-14	12.07
					84-09-10	13.57
280843082390401	ELDR. WILDE WELL B N TARPON SGS, FLA.	28 08 43	082 39 04	01	84-05-14	11.11
					84-09-10	15.50
280843082390402	ELDR. WILDE S. WELL 13 NR TARPON SGS, FLA	28 08 43	082 39 04	02	84-05-14	20.59
					84-09-10	21.48
280844082385501	WELL 8082384455	28 08 44	082 38 55	01	84-09-10	3.18
280848082395801	WELL 8082394858	28 08 48	082 39 58	01	84-09-10	6.98
280851082401301	PINELLAS D. WELL 2A NR. TARPON SPR	28 08 51	082 40 13	01	84-09-10	7.07
280852082390601	ELDR. WILDE WELL 12	28 08 52	082 39 06	01	84-05-14	6.42
280852082392401	PINELLAS WELL 8S NR TARPON SGS	28 08 52	082 39 24	01	84-09-10	11.28
280852082392801	USGS S. WELL EW-5	28 08 52	082 39 28	01	84-05-14	20.67
					84-09-10	20.24
280852082393401	WELL 8082395234	28 08 52	082 39 34	01	84-09-10	10.18
280855082402601	ELDR WILDE WF D. WELL 023 NR T. SPGS.	28 08 55	082 40 26	01	84-05-14	3.13
					84-09-10	11.10
280856082401201	ELDR. WILDE WELL 2 SOUTH NR TARPON SPRINGS, FLA	28 08 56	082 40 12	01	84-05-14	1.34
					84-09-10	6.15
280857082393101	WELL 8082395731	28 08 57	082 39 31	01	84-09-10	9.89
280859082402301	PINELLAS S. WELL C1	28 08 59	082 40 23	01	84-09-10	6.21

MISCELLANEOUS WATER LEVEL MEASUREMENTS
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STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
	PINELLAS					
280859082402302	ELDR WILDE WF S. WELL 3 SO. NR TARPON SGS.	28 08 59	082 40 23	02	84-05-14 84-09-10	20.60 21.91
280902082391001	ELDR WILDE WELL 11A NR TARPON SGS, FLA.	28 09 02	082 39 10	01	84-09-10	11.30
280902082391601	ELDR WILDE WELL 8 NR TARPON SGS, FLA.	28 09 02	082 39 16	01	84-05-14 84-09-10	5.20 10.63
280902082395201	USGS S. WELL 4A NR TARPON SGS, FLA.	28 09 02	082 39 52	01	84-05-14 84-09-10	23.42 24.03
280904082390601	ELDRIDGE-WILDE D. WELL 11 NR TARPON SGS, FLA	28 09 04	082 39 06	01	84-05-14 84-09-10	7.60 12.95
280904082390602	ELDRIDGE-WILDE S. WELL 11 NR TARPON SGS, FLA	28 09 04	082 39 06	02	84-05-14 84-09-10	20.54 20.40
280908082402701	PINELLAS COUNTY #1	28 09 08	082 40 27	01	84-05-14	5.82
280909082392302	PINELLAS S. WELL 7 NR TARPON SGS, FLA.	28 09 09	082 39 23	02	84-05-14 84-09-10	17.94 17.46
280910082385001	USGS D. WELL EW-4 NR TARPON SGS	28 09 10	082 38 50	01	84-05-14 84-09-10	16.35 19.97
280910082385002	USGS S. WELL EW-4 NR TARPON SGS, FLA.	28 09 10	082 38 50	02	84-05-14 84-09-10	26.05 26.17
280910082390801	ELDRIDGE-WILDE 9 SHALLOW	28 09 10	082 39 08	01	84-05-14 84-09-10	21.68 20.70
280911082391701	WELL 8092391117	28 09 11	082 39 17	01	84-05-14	5.38
280912082394301	ELDR WILDE WF S. WELL 5A NR T. SPGS.	28 09 12	082 39 43	01	84-05-14 84-09-10	26.02 27.23
280916082390601	WELL 8092391606	28 09 16	082 39 06	01	84-05-14 84-09-10	7.29 13.11
280917082391401	PINELLAS WELL 1.A NR TARPON SGS	28 09 17	082 39 14	01	84-09-10	12.37
280917082395602	ELDR WILDE WF S. WELL 4N NR TARPON SGS.	28 09 17	082 39 56	02	84-05-14	26.15
280918082391201	ELDR. WILDE WF D. WELL 10 NR TARPON SGS.	28 09 18	082 39 12	01	84-05-14 84-09-10	2.30 10.44
280918082392601	ELDR WILDE WF S. WELL 119 NR TARPON SGS.	28 09 18	082 39 26	01	84-05-14 84-09-10	18.37 17.60
280919082395801	ELDR WILDE WF D. WELL 026 NR TARPON SPGS.	28 09 19	082 39 58	01	84-05-14 84-09-10	4.61 8.78
280919082395802	ELDRIDGE-WILDE 026 SHALLOW	28 09 19	082 39 58	02	84-05-14 84-09-10	26.39 27.72
280926082392801	ELDR WILDE WF PROD WELL 118 NR TARPON SPGS.	28 09 26	082 39 28	01	84-09-10	7.26
280927082394502	USGS S. WELL EW-6 NR TARPON SGS.	28 09 27	082 39 45	02	84-05-14	22.27
280927082394502	USGS S. WELL EW-6 NR TARPON SGS.	28 09 27	082 39 45	02	84-09-10	22.53
280927082394601	WELL 809-239-2746	28 09 27	082 39 46	01	84-09-10	10.29
280928082393501	WELL 8092392835	28 09 28	082 39 35	01	84-09-10	6.16
280929082391601	ELDR. WILDE S. WELL 114 NR TARPON SGS, FLA	28 09 29	082 39 16	01	84-05-14 84-09-10	17.06 17.91
280930082391801	WELL 8092393018	28 09 30	082 39 18	01	84-09-10	9.59
280934082392701	WELL 8092393427	28 09 34	082 39 27	01	84-09-10	12.02
280942082390601	PINELLAS S. WELL N1A NR TARPON SGS.	28 09 42	082 39 06	01	84-05-14 84-09-10	6.40 14.47
280942082390702	PINELLAS S. WELL N1B	28 09 42	082 39 07	02	84-05-14 84-09-10	29.24 28.01
280945082393001	WELL 8092394530	28 09 45	082 39 30	01	84-09-10	12.17
280946082390601	WELL 8092394606	28 09 46	082 39 06	01	84-05-14 84-09-10	5.55 13.43

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
	PINELLAS					
280947082393001	WELL 8092394730	28 09 47	082 39 30	01	84-05-14	20.06
					84-09-10	19.34
280949082392501	WELL 8092394925	28 09 49	082 39 25	01	84-09-10	20.28
280950082383801	ELDR WILDE WF S. WELL 021 NR TARPON SPGS.	28 09 50	082 38 38	01	84-05-14	29.59
					84-09-10	29.30
280953082391201	WELL 8092395312	28 09 53	082 39 12	01	84-09-10	14.32
280954082390501	ELDR WILDE S. WELL 112 NR TARPON SGS, FLA.	28 09 54	082 39 05	01	84-05-14	29.81
					84-09-10	28.65
280955082395701	USGS D. WELL 004 NR TARPON SGS, FLA.	28 09 55	082 39 57	01	84-05-14	13.22
					84-09-10	16.63
280955082395702	USGS S. WELL 004 NR. TARPON SGS, FLA.	28 09 55	082 39 57	02	84-05-14	21.68
					84-09-10	22.06
280956082381802	ELDR WILDE S. WELL 139G NR TARPON SGS	28 09 56	082 38 18	02	84-05-14	35.78
					84-09-10	36.78
281001082391601	USGS S. WELL 109 NR TARPON SGS, FLA.	28 10 01	082 39 16	01	84-05-14	23.96
					84-09-10	23.44
281002082382701	WELL 8102380227	28 10 02	082 38 27	01	84-09-10	20.62
281002082391601	PIN COUNTY WATER SUPPLY	28 10 03	082 39 16	01	84-09-10	14.45
281008082391701	WELL 810-239-1017	28 10 08	082 39 17	01	84-09-10	14.11
281009082390601	WELL 8102390906	28 10 09	082 39 06	01	84-09-10	14.89
281009082392301	ELDRIDGE WILDE D. WELL 104-A NR TARPON SPGS, FLA	28 10 09	082 39 23	01	84-05-14	2.11
					84-09-10	8.72
281010082390601	ELDR. WILDE WELL N2 NR TARPON SGS, FLA	28 10 10	082 39 06	01	84-05-14	10.18
					84-09-10	16.73
281011082382001	ELDR WILDE WF PROD WELL 141 NR TARPON SPGS.	28 10 11	082 38 20	01	84-05-14	16.98
					84-09-10	21.74
281011082393301	ELDR WILDE D. WELL 102 NR TARPON SGS, FLA.	28 10 11	082 39 33	01	84-09-10	14.26
281016082382801	ELDR. WILDE WF PROD WELL 137 NR TARPON SPGS.	28 10 16	082 38 28	01	84-09-10	16.29
281017082380901	ELDR WILDE WELL 142 NR TARPON SGS, FLA.	28 10 17	082 38 09	01	84-09-10	24.59
281017082380902	ELDR. WILDE D. WELL 142 NR TARPON SGS, FLA	28 10 17	082 38 09	02	84-05-14	22.34
					84-09-10	26.04
281018082391702	PINELLAS S. WELL 105 NR TARPON SGS, FLA.	28 10 18	082 39 17	02	84-05-14	24.30
					84-09-10	22.85
281019082392301	WELL 810-239-1023	28 10 19	082 39 23	01	84-09-10	15.20
281020082395701	ELDR. WILDE D. WELL 005 NR TARPON SGS, FLA	28 10 20	082 39 57	01	84-04-30	14.46
					84-05-14	12.85
					84-09-05	16.05
					84-09-10	16.85
281020082395702	ELDR. WILDE S. WELL 005 NR TARPON SGS, FLA	28 10 20	082 39 57	02	84-05-14	19.01
					84-09-10	19.76
281022082381901	PINELLAS D. WELL 140 NR TARPON SGS, FLA.	28 10 22	082 38 19	01	84-09-10	21.52
281022082385501	ELDR. WILDE S. WELL 131 NR TARPON SGS, FLA	28 10 22	082 38 55	01	84-09-10	26.12
281023082393301	ELDR. WILDE WF PROD WELL 101 NR TARPON SPGS.	28 10 23	082 39 33	01	84-09-10	15.22

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
274829082405701 - ST PETERSBURG STP WELL 778 (LAT 27 48 29 LONG 082 40 57)							
DEC , 1983 09...	1500	103	--	26.5	--	--	--
274839082463301 - BAY PINES WELL NO. 161 (LAT 27 48 39 LONG 082 46 33)							
OCT , 1983 06...	1145	1500	1400	24.0	--	--	330
DEC 15...	1120	1430	1410	23.5	--	--	330
FEB , 1984 14...	1110	1420	1440	23.5	--	--	330
APR 05...	1000	1430	1390	24.0	--	--	330
AUG 16...	1010	1470	1480	24.0	--	--	330
274912082441001 - SOUTH CROSS BAYOU WELL S9 AT ST PETERSBURG FL (LAT 27 49 12 LONG 082 44 10)							
MAR , 1984 19...	1110	--	740	23.5	.999	--	46
SEP 17...	1340	--	762	24.5	.987	--	46
274922082443101 - SOUTH CROSS BAYOU WELL B4 AT ST PETERSBURG FL (LAT 27 49 22 LONG 082 44 31)							
MAR , 1984 16...	1105	--	46500	25.5	1.024	--	18000
SEP 17...	1241	--	48700	25.0	1.024	--	18000
274925082445801 - SOUTH CROSS BAYOU WELL S13 AT ST PETERSBURG FL (LAT 27 49 25 LONG 082 44 58)							
MAR , 1984 16...	1156	--	3150	24.0	1.000	--	900
SEP 17...	1415	--	4550	24.0	1.000	--	1400
274929082443503 - SOUTH CROSS BAYOU WELL A3 AT ST PETERSBURG FL (LAT 27 49 29 LONG 082 44 35)							
MAR , 1984 16...	1004	--	47000	26.5	1.023	--	18000
SEP 17...	1055	--	41100	26.0	1.020	--	15000
274929082443504 - SOUTH CROSS BAYOU WELL A4 AT ST PETERSBURG FL (LAT 27 49 29 LONG 082 44 35)							
MAR , 1984 16...	1038	--	2300	24.5	.999	--	620
SEP 17...	1017	--	3090	24.0	.995	--	860
275159082391901 - TOYTOWN-3 NR ST PETERSBURG,FL (LAT 27 51 59 LONG 082 39 19)							
AUG , 1984 01...	1138	1060	1130	25.0	--	96	140
275215082392001 - TOYTOWN-2 NR ST PETERSBURG,FL (LAT 27 52 15 LONG 082 39 20)							
AUG , 1984 01...	1045	810	825	26.0	--	47	57

PINELLAS COUNTY--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
275222082504601 - MCKAY CREEK WELL S3 AT INDIAN ROCKS BEACH FL (LAT 27 52 22 LONG 082 50 46)							
MAR , 1984							
16...	1335	--	650	24.0	.999	--	71
SEP							
18...	1116	--	600	23.5	.998	--	54
275228082391901 - TOYTOWN-1 NR ST PETERSBURG,FL (LAT 27 52 28 LONG 082 39 19)							
AUG , 1984							
01...	0945	640	639	27.0	--	28	21
275237082392901 - TOYTOWN-4 NR ST PETERSBURG,FL (LAT 27 52 37 LONG 082 39 29)							
AUG , 1984							
02...	1015	3400	--	25.0	--	--	--
275237082451401 - DOE-3GW NEAR PINELLAS PARK,FL (LAT 27 52 37 LONG 082 45 14)							
JUL , 1984							
11...	1008	960	936	26.0	--	.8	70
275241082503901 - MCKAY CREEK WELL C1 AT INDIAN ROCKS BEACH FL (LAT 27 52 41 LONG 082 50 39)							
MAR , 1984							
15...	1215	--	810	24.0	.999	--	130
SEP							
18...	0955	--	755	23.5	.999	--	110
275242082503901 - MCKAY CREEK WELLD1 AT INDIAN ROCKS BEACH , FL (LAT 27 52 42 LONG 082 50 39)							
MAR , 1984							
15...	1345	--	44400	26.0	1.022	--	17000
SEP							
18...	0915	--	39000	--	1.018	--	14000
275245082501301 - MCKAY CREEK WELL S9 AT INDIAN ROCKS BEACH FL (LAT 27 52 45 LONG 082 50 13)							
MAR , 1984							
16...	1415	--	440	25.0	.998	--	27
275636082450601 - GUESS,E. WELL AT CLEARWATER FL (LAT 27 56 36 LONG 082 45 06)							
MAY , 1984							
15...	1210	435	428	25.5	--	--	39
SEP							
11...	1035	445	434	25.5	--	--	37
275708082465301 - MCLENDON,R. WELL AT CLEARWATER FL (LAT 27 57 08 LONG 082 46 53)							
MAY , 1984							
15...	1200	540	600	24.0	--	--	97
SEP							
11...	1025	598	596	25.0	--	--	89
275739082462601 - Clearwater Prod. Well 18 at Clearwater,Fl (LAT 27 57 39 LONG 082 46 26)							
MAY , 1984							
15...	1145	585	650	25.0	--	--	130
SEP							
11...	1016	651	640	24.5	--	--	110

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

275753082433701 - CLE-DUN D. WELL 27 NR CLEARWATER,FL (LAT 27 57 53 LONG 082 43 37)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 05...	1540	36300	39300	24.0	--	--	15000
DEC 08...	1435	37000	40400	23.0	--	--	15000
FEB , 1984 14...	1232	--	40100	23.0	--	--	15000
APR 05...	1140	40500	39300	23.5	--	--	15000
JUN 07...	1205	39500	40500	24.0	--	--	15000
AUG 16...	1153	39600	41600	24.0	--	--	15000

275819082464201 - CLEARWATER COUNTRY CLUB WELL 1 AT CLEARWATER FL (LAT 27 58 19 LONG 082 46 42)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984 15...	1130	--	475	--	--	--	57
SEP 11...	1045	570	573	26.5	--	--	76

275825082460201 - CLEARWATER WELL #30 AT CLEARWATER , FL (LAT 27 58 25 LONG 082 46 02)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983 06...	1457	3600	3400	25.0	--	--	1000
NOV 10...	1045	3450	3500	24.5	--	--	1000
DEC 08...	1558	3450	3500	24.0	--	--	1000
JAN , 1984 12...	0959	3550	3450	23.5	--	--	1000
FEB 14...	1557	3550	3460	24.0	--	--	--
MAR 16...	1531	3600	3500	24.0	--	--	1000
APR 05...	1519	3520	3900	24.0	--	--	980
MAY 01...	1120	3570	3500	25.0	--	--	1000
JUN 07...	1458	3600	3850	25.0	--	--	1000
JUL 05...	1034	3590	[illegible]	25.0	--	--	1000
AUG 16...	1453	3730	3710	24.5	--	--	1000
SEP 07...	1443	3680	3600	24.5	--	--	1000

275828082424201 - KING,J.WELL NR SAFETY HARBOR FL (LAT 27 58 28 LONG 082 42 42)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984 15...	1230	545	540	24.5	--	--	35
SEP 11...	1100	565	555	24.0	--	--	35

280015082471201 - CLE-DUN D. WELL 23 AT DUNEDIN,FL (LAT 28 00 15 LONG 082 47 12)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984 15...	1100	640	730	25.0	--	--	130

PINELLAS COUNTY--Continued

280022082424901 - CLEARWATER WELL #67 AT CLEARWATER , FL (LAT 28 00 22 LONG 082 42 49)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983							
05...	1431	1650	1650	23.5	--	--	410
NOV							
09...	1604	1600	1580	23.0	--	--	400
DEC							
16...	1549	1710	1740	23.0	--	--	460
JAN , 1984							
12...	1237	1760	1750	23.0	--	--	470
FEB							
09...	1447	1810	1850	22.5	--	--	690
MAR							
09...	1434	1850	1840	23.0	--	--	490
APR							
04...	1210	1850	1810	23.0	--	--	490
MAY							
01...	1213	1920	1900	23.5	--	--	500
JUN							
08...	1436	2000	1990	24.0	--	--	540
JUL							
03...	1441	2050	2070	23.5	--	--	540
AUG							
15...	1522	2100	2110	23.0	--	--	560
SEP							
06...	1607	2180	2170	23.0	--	--	580

280111082453501 - CLE-DUN D. WELL 15 AT DUNEDIN, FL (LAT 28 01 11 LONG 082 45 35)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984							
15...	1035	590	600	24.5	--	--	77
SEP							
11...	0925	645	605	25.0	--	--	78

280122082471101 - CLE-DUN D. WELL 22 AT DUNEDIN, FL (LAT 28 01 22 LONG 082 47 11)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984							
15...	1020	5240	5300	25.0	--	--	1500
SEP							
11...	0945	5900	5550	25.0	--	--	1600

280219082400701 - CITY OF OLDSMAR TEST WELL AT OLDSMAR, FLA (LAT 28 02 19 LONG 082 40 07)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT , 1983							
07...	0828	2420	2350	24.0	--	--	640
DEC							
09...	0820	2350	2300	23.0	--	--	640
FEB , 1984							
09...	0825	2400	2300	23.5	--	--	620

280228082465001 - CLE-DUN D. WELL 11 NR DUNEDIN, FL (LAT 28 02 28 LONG 082 46 50)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984							
15...	1000	4560	5200	25.0	--	--	1500
SEP							
11...	0910	5600	5370	24.5	--	--	1600

280254082441602 - CLE-DUN D. WELL 17 NR DUNEDIN, FL (LAT 28 02 54 LONG 082 44 16)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY , 1984							
15...	0935	1950	1950	24.5	--	--	520
SEP							
11...	0730	2100	2000	24.5	--	--	510

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
280420082451901 - CLE-DUN D. WELL 09 NR PALM HARBOR, FL (LAT 28 04 20 LONG 082 45 19)							
MAY , 1984 15...	0900	1720	1750	24.0	--	--	460
SEP 11...	0837	1600	1810	24.5	--	--	460
280457082420401 - BROOKER CRK S. WELL NR OLDSMAR, FLA (LAT 28 04 57 LONG 082 42 04)							
OCT , 1983 05...	1125	2750	2630	24.5	--	--	840
DEC 14...	0810	2900	2940	24.0	--	--	820
FEB , 1984 08...	1145	2790	2760	23.0	--	--	800
APR 10...	1130	2700	2700	24.0	--	--	810
JUN 11...	0815	2740	2730	24.5	--	--	820
AUG 15...	0808	2780	2800	24.0	--	--	830
280457082420402 - BROOKER CREEK WELL NR OLDSMAR, FLA (LAT 28 04 57 LONG 082 42 04)							
OCT , 1983 05...	1134	4220	4260	26.0	--	--	1300
DEC 14...	0832	4500	4650	25.0	--	--	1300
FEB , 1984 08...	1156	4400	4340	24.5	--	--	1300
APR 10...	1144	4630	4530	26.0	--	--	1300
JUN 11...	0833	4610	4520	26.0	--	--	1300
AUG 15...	0823	4750	4810	25.5	--	--	1300
280459082423901 - CLE-DUN D. WELL 03 NR PALM HARBOR, FL (LAT 28 04 59 LONG 082 42 39)							
MAY , 1984 15...	0830	1500	1700	25.0	--	--	440
SEP 11...	0800	1560	1770	25.0	--	--	450
280601082455301 - PINCO NWSTP 1020 BPND (LAT 28 06 01 LONG 082 45 53)							
NOV , 1983 15...	1045	955	821	25.0	--	--	--
MAR , 1984 05...	1020	510	532	21.0	--	--	--
JUN 20...	1230	1580	1560	25.0	--	--	--
AUG 21...	1140	530	529	26.5	--	--	--
280601082460301 - 810 BPND (LAT 28 06 01 LONG 082 46 03)							
NOV , 1983 15...	1130	2200	2180	23.5	--	--	--
MAR , 1984 05...	1000	2160	2180	22.5	--	--	--
JUN 20...	1200	2590	2500	26.0	--	--	--
AUG 21...	1120	2400	2360	25.5	--	--	--

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

280614082462301 - PINCO NWSTP 604 HILS (LAT 28 06 14 LONG 082 46 23)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983							
15...	1235	440	461	23.0	--	--	--
MAR , 1984							
05...	0945	435	432	23.0	--	--	--
JUN							
20...	1100	460	450	25.5	--	--	--
AUG							
21...	1225	430	426	24.5	--	--	--

280618082454001 - PINCO NWSTP 31 (LAT 28 06 18 LONG 082 45 40)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983							
16...	1145	140	139	24.0	--	--	--
MAR , 1984							
07...	1100	160	151	23.0	--	--	--
JUN							
19...	0955	135	154	28.0	--	--	--
AUG							
21...	0939	151	151	25.0	--	--	--

280629082454204 - INNISBROOK 20D NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983							
16...	1210	840	923	24.5	--	--	--
MAR , 1984							
07...	1150	820	811	22.5	--	--	--
JUN							
19...	1110	915	917	28.0	--	--	--
AUG							
21...	1037	520	511	27.0	--	--	--

280629082454205 - INNISBROOK 20E NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983							
16...	1230	880	894	23.0	--	--	--
MAR , 1984							
07...	1200	870	858	25.0	--	--	--
JUN							
19...	1050	855	852	28.0	--	--	--
AUG							
21...	1040	850	846	26.0	--	--	--

280630082415401 - GOLF COURSE DEEP WELL M-5 NEAR TARPON SPNGS.,FL. (LAT 28 06 30 LONG 082 41 54)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1984							
08...	1135	1370	1340	23.5	--	--	310
08...	1200	3820	3800	25.0	--	--	1000
SEP							
19...	1340	1380	1410	24.5	--	--	320
19...	1355	3950	3910	25.5	--	--	1000

280634082453405 - 27S15E25 INNISBROOK 144 (LAT 28 06 34 LONG 082 45 34)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
NOV , 1983							
16...	1015	645	668	24.0	--	--	--
MAR , 1984							
07...	1300	430	490	28.0	--	--	--
JUN							
19...	0835	625	625	28.0	--	--	--
AUG							
20...	0926	670	675	27.0	--	--	--

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
280537082461201 - PINCO NWSTP 3915 DESOTO (LAT 28 06 37 LONG 082 46 12)							
NOV , 1983 15...	1305	442	456	21.0	--	--	--
MAR , 1984 05...	0900	440	559	23.0	--	--	--
JUN 20...	1000	390	391	24.5	--	--	--
AUG 20...	1120	455	456	25.0	--	--	--
280647082461401 - PINCO NWST 811 HARRY (LAT 28 06 47 LONG 082 46 14)							
JUN , 1984 20...	1030	373	368	25.0	--	--	--
AUG 20...	1145	328	328	25.0	--	--	--
280734082442101 - ROMP TR 15-3 DEEP WELL AT TARPON SPRINGS, FL (LAT 28 07 34 LONG 082 44 21)							
OCT , 1983 05...	1229	3450	3320	25.0	--	--	--
DEC 07...	1249	3380	3380	24.5	--	--	700
FEB , 1984 15...	0825	2970	2850	24.0	--	--	--
APR 10...	0820	3380	3300	25.0	--	--	670
JUN 06...	0822	3330	3340	25.0	--	56	680
AUG 13...	1425	3240	3250	25.0	--	49	670
280747082452001 - ROMP TR 15-2 DEEP WELL NEAR TARPON SPRINGS, FL (LAT 28 07 47 LONG 082 45 20)							
OCT , 1983 12...	1153	650	640	25.0	--	--	140
DEC 09...	1524	580	--	24.5	--	--	130
FEB , 1984 15...	1527	645	670	24.0	--	--	150
APR 06...	1526	588	630	24.5	--	--	130
JUN 11...	1540	610	605	25.0	--	27	130
AUG 17...	1542	550	550	25.0	--	22	110
280753082465201 - ROMP TR 15-1 DEEP WELL NEAR TARPON SPRINGS, FL (LAT 28 07 53 LONG 082 46 52)							
OCT , 1983 11...	1425	2110	2060	24.5	--	--	490
DEC 09...	1433	1860	1900	24.0	--	--	440
FEB , 1984 15...	1434	1760	1760	24.0	--	--	400
APR 06...	1437	1630	1600	24.0	--	--	360
JUN 11...	1429	1630	1630	25.0	--	1.8	360
AUG 17...	1440	2030	2030	24.0	--	2.4	470

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

280846082414301 - PINELLAS CTY SW DEEP WELL NR TARPON SPGS, FL (LAT 28 08 46 LONG 082 41 43)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
MAR , 1984							
08...	1050	525	540	25.0	--	--	43
08...	1105	3460	3500	25.5	--	--	840
SEP							
18...	1130	545	542	25.0	--	--	44
18...	1145	3900	3490	26.0	--	--	910

280847082414301 - PINELLAS CTY SW SH WELL NR TARPON SPRINGS, FL (LAT 28 08 47 LONG 082 41 43)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
MAR , 1984							
08...	1005	370	370	24.5	--	--	11
08...	1025	400	400	24.5	--	--	12
SEP							
18...	1055	345	348	25.0	--	--	11
18...	1115	385	381	25.0	--	--	14

280852082414301 - N. LK TARPON WELL NR TARPON SGS, FLA (LAT 28 08 52 LONG 082 41 43)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT , 1983							
03...	1527	29700	31600	27.0	--	--	12000
NOV							
08...	1416	31500	33000	26.0	--	--	12000
DEC							
12...	1531	31600	32400	26.0	--	--	12000
JAN , 1984							
09...	1223	31800	32000	26.0	--	--	12000
FEB							
06...	1446	31300	33000	25.5	--	--	12000
MAR							
07...	0759	32900	32000	26.0	--	--	12000
APR							
02...	1533	33600	33000	26.0	--	--	12000
30...	1620	32000	32600	26.5	--	--	12000
JUN							
04...	1531	32700	33700	27.0	--	--	12000
JUL							
02...	0803	33100	33500	27.0	--	--	12000
AUG							
09...	1512	32700	34700	26.5	--	--	12000
SEP							
05...	0836	33900	34500	26.0	--	--	13000

280904082400302 - EW MONITOR 3A DP WELL NR TARPON SPRIMGS,FL (LAT 28 09 04 LONG 082 40 03)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
MAR , 1984							
07...	1230	1070	1040	25.0	--	--	140
07...	1255	147	142	24.0	--	--	18
07...	1310	3100	3050	25.0	--	--	470
SEP							
19...	1230	1200	1200	25.5	--	--	170
19...	1245	260	266	25.5	--	--	22
19...	1300	3300	3210	26.0	--	--	490

280907082424801 - TARPON RD D. WELL NR TARPON SPRINGS, FLA (LAT 28 09 07 LONG 082 42 48)

DATE	TIME	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	SPE- CIFIC CON- DUC- TANCE LAB (US/CM) (90095)	TEMPER- ATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT , 1983							
03...	1415	522	500	25.5	--	--	54
DEC							
12...	1424	505	530	25.0	--	--	52
FEB , 1984							
06...	1520	518	520	24.5	--	--	50
APR							
02...	1435	515	530	25.0	--	--	49
JUN							
04...	1425	510	540	25.5	--	--	50
AUG							
09...	1404	522	526	25.0	--	--	50

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

280942082411801 - EW NORTHWEST DP WELL (LAT 28 09 42 LONG 082 41 18)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1984							
07...	1400	390	390	23.5	--	--	9.4
07...	1420	230	184	23.5	--	--	20
07...	1430	380	390	24.0	--	--	10
SEP							
18...	1345	410	401	24.0	--	--	9.8
18...	1400	265	169	24.0	--	--	20
18...	1415	--	399	25.5	--	--	9.4

280944082390801 - EW MONITOR N1 DP WELL NR TARPON SPRINGS,FL (LAT 28 09 44 LONG 082 39 08)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1984							
07...	1120	445	440	24.0	--	--	9.8
07...	1140	340	340	23.5	--	--	9.0
07...	1200	1160	1160	25.0	--	--	31
SEP							
19...	1100	445	449	24.0	--	--	11
19...	1115	335	342	24.0	--	--	10
19...	1135	1180	1190	25.0	--	--	34

281020082395701 - ELDR. WILDE D. WELL 005 NR TARPON SGS, FLA (LAT 28 10 20 LONG 082 39 57)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
APR , 1984							
30...	1155	292	294	24.0	--	--	5.0
SEP							
05...	0939	297	292	24.0	--	--	4.5

281022082420701 - EW NORTHWEST SH WELL (LAT 28 10 22 LONG 082 42 07)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	TEMPERATURE (DEG C) (00010)	DENSITY (GM/ML AT 20 C) (71820)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAR , 1984							
07...	1515	430	420	24.0	--	--	15
07...	1530	480	470	24.0	--	--	23
SEP							
18...	1225	430	417	24.0	--	--	15
18...	1240	485	487	24.0	--	--	25

PINELLAS COUNTY--Continued

DATE	TIME	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
274829082405701 - ST PETERSBURG STP WELL 778 (LAT 27 48 29 LONG 082 40 57)										
DEC , 1983										
09...	1500	5.3	--	.3	--	--	--	--	--	--
275159082391901 - TOYTOWN-3 NR ST PETERSBURG,FL (LAT 27 51 59 LONG 082 39 19)										
AUG , 1984										
01...	1138	6.6	7.1	--	--	--	--	<.010	<.10	1.20
275215082392001 - TOYTOWN-2 NR ST PETERSBURG,FL (LAT 27 52 15 LONG 082 39 20)										
AUG , 1984										
01...	1045	6.6	7.0	--	--	--	--	<.010	<.10	2.90
275228082391901 - TOYTOWN-1 NR ST PETERSBURG,FL (LAT 27 52 28 LONG 082 39 19)										
AUG , 1984										
01...	0945	6.5	7.0	--	--	--	--	<.010	<.10	.070
275237082392901 - TOYTOWN-4 NR ST PETERSBURG,FL (LAT 27 52 37 LONG 082 39 29)										
AUG , 1984										
02...	1015	7.8	--	--	--	--	--	.010	<.10	110
275237082451401 - DOE-3GW NEAR PINELLAS PARK,FL (LAT 27 52 37 LONG 082 45 14)										
JUL , 1984										
11...	1008	6.7	7.2	--	--	--	--	<.010	<.10	.450
280601082455301 - PINCO NWSTP 1020 BPND (LAT 28 06 01 LONG 082 45 53)										
NOV , 1983										
15...	1045	7.0	7.6	--	.8	<1	<1	<.010	2.0	.010
MAR , 1984										
05...	1020	7.6	7.5	--	<.1	<1	<1	<.010	3.0	.020
JUN										
20...	1230	7.5	7.6	--	.6	<1	<1	<.010	1.8	.020
AUG										
21...	1140	6.8	7.6	--	.8	<1	<1	<.010	3.0	.010
280601082460301 - 810 BPND (LAT 28 06 01 LONG 082 46 03)										
NOV , 1983										
15...	1130	7.1	7.5	--	.5	<1	<1	<.010	5.8	.020
MAR , 1984										
05...	1000	7.6	7.6	--	.2	<1	<1	<.010	3.8	.020
JUN										
20...	1200	7.4	7.6	--	.4	<1	<1	<.010	5.2	.020
AUG										
21...	1120	7.3	7.5	--	.7	<1	<1	<.010	4.9	.010
280614082462301 - PINCO NWSTP 604 HILS (LAT 28 06 14 LONG 082 46 23)										
NOV , 1983										
15...	1235	6.6	7.2	--	.8	K4	K1	.010	2.6	.020
MAR , 1984										
05...	0945	7.2	7.2	--	.3	<1	<1	<.010	2.3	.020
JUN										
20...	1100	7.2	7.4	--	.7	K170	<1	<.010	4.7	.070
AUG										
21...	1225	7.0	7.2	--	.2	<1	K1	<.010	1.8	.010

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
274829082405701 - ST PETERSBURG STP WELL 778 (LAT 27 48 29 LONG 082 40 57)									
DEC , 1983 09...	--	--	--	--	--	--	--	--	--
275159082391901 - TOYTOWN-3 NR ST PETERSBURG,FL (LAT 27 51 59 LONG 082 39 19)									
AUG , 1984 01...	2.4	1.80	1.50	36	<1	1800	<100	120	.3
275215082392001 - TOYTOWN-2 NR ST PETERSBURG,FL (LAT 27 52 15 LONG 082 39 20)									
AUG , 1984 01...	4.1	.450	.350	6	<1	2100	--	70	.1
275228082391901 - TOYTOWN-1 NR ST PETERSBURG,FL (LAT 27 52 28 LONG 082 39 19)									
AUG , 1984 01...	.70	.080	.050	3	1	3200	<100	40	.2
275237082392901 - TOYTOWN-4 NR ST PETERSBURG,FL (LAT 27 52 37 LONG 082 39 29)									
AUG , 1984 02...	110	3.40	2.50	4	2	23000	<100	310	.7
275237082451401 - DOE-3GW NEAR PINELLAS PARK,FL (LAT 27 52 37 LONG 082 45 14)									
JUL , 1984 11...	2.0	.090	.080	1	<1	6300	<100	20	.3
280601082455301 - PINCO NWSTP 1020 BPND (LAT 28 06 01 LONG 082 45 53)									
NOV , 1983 15...	.07	.030	.020	2	--	--	--	--	--
MAR , 1984 05...	.11	.040	.020	1	--	--	--	--	--
JUN 20...	<.05	.060	.020	2	--	--	--	--	--
AUG 21...	<.05	.040	.020	2	--	--	--	--	--
280601082460301 - 810 BPND (LAT 28 06 01 LONG 082 46 03)									
NOV , 1983 15...	.06	.020	<.010	4	--	--	--	--	--
MAR , 1984 05...	.28	.020	.010	1	--	--	--	--	--
JUN 20...	<.05	.040	.010	2	--	--	--	--	--
AUG 21...	.10	.020	<.010	2	--	--	--	--	--
280614082462301 - PINCO NWSTP 604 HILS (LAT 28 06 14 LONG 082 46 23)									
NOV , 1983 15...	.31	.610	.570	2	--	--	--	--	--
MAR , 1984 05...	.30	.630	.640	2	--	--	--	--	--
JUN 20...	.39	.750	.630	2	--	--	--	--	--
AUG 21...	.14	.590	.590	3	--	--	--	--	--

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

DATE	TIME	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
280618082454001 - PINCO NWSTP 31 (LAT 28 06 18 LONG 082 45 40)										
NOV , 1983 16...	1145	4.4	4.0	--	.7	K1	<1	<.010	4.2	.060
MAR , 1984 07...	1100	4.3	4.0	--	.1	K7	<1	<.010	6.1	.020
JUN 19...	0955	--	4.5	--	.2	31	K2	<.010	6.6	.020
AUG 21...	0939	4.8	4.7	--	.7	37	K14	<.010	5.8	.010
280629082454204 - INNISBROOK 20D NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)										
NOV , 1983 16...	1210	70.0	7.0	--	.9	K1	K1	.040	.22	.040
MAR , 1984 07...	1150	7.3	7.0	--	.4	<1	<1	.070	7.5	.020
JUN .19...	1110	6.7	7.4	--	.2	K3	<1	.360	9.6	.030
AUG 21...	1037	7.1	7.4	--	1.1	<1	K1	.010	1.4	.010
280629082454205 - INNISBROOK 20E NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)										
NOV , 1983 16...	1230	7.0	7.2	--	.8	<1	<1	<.010	1.7	.020
MAR , 1984 07...	1200	7.5	7.3	--	.5	<1	<1	.020	2.0	.020
JUN 19...	1050	6.8	7.3	--	.4	K1	<1	.050	3.2	.020
AUG 21...	1040	7.1	7.6	--	.8	K14	K3	.020	1.9	.010
280634082453405 - 27S15E25 INNISBROOK 144 (LAT 28 06 34 LONG 082 45 34)										
NOV , 1983 16...	1015	5.5	5.9	--	.6	<1	<1	<.010	.06	.040
MAR , 1984 07...	1300	6.6	6.6	--	.3	K12	<1	.040	.76	.150
JUN 19...	0835	5.6	6.7	--	.6	20	K2	.020	.12	.220
AUG 20...	0926	6.2	6.8	--	3.3	K13	K9	.020	.05	.310
280637082461201 - PINCO NWSTP 3915 DESOTO (LAT 28 06 37 LONG 082 46 12)										
NOV , 1983 15...	1305	6.6	7.3	--	1.1	<1	<1	<.010	6.4	.020
MAR , 1984 05...	0900	7.3	7.1	--	.4	<1	<1	.010	6.6	.020
JUN 20...	1000	7.5	7.3	--	.8	<1	<1	<.010	3.4	.010
AUG 20...	1120	6.8	7.3	--	.8	<1	<1	.020	5.7	.010
280647082461401 - PINCO NWST 811 HARRY (LAT 28 06 47 LONG 082 46 14)										
JUN , 1984 20...	1030	7.5	7.6	--	.8	<1	<1	<.010	1.4	.010
AUG 20...	1145	7.3	7.6	--	1.8	<1	<1	<.010	1.3	.010

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

PINELLAS COUNTY--Continued

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
280618082454001 - PINCO NWSTP 31 (LAT 28 06 18 LONG 082 45 40)									
NOV , 1983									
16...	.35	.020	<.010	<1	--	--	--	--	--
MAR , 1984									
07...	.46	.080	.010	1	--	--	--	--	--
JUN									
19...	.23	.070	.010	1	--	--	--	--	--
AUG									
21...	.29	.040	<.010	1	--	--	--	--	--
280629082454204 - INNISBROOK 20D NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)									
NOV , 1983									
16...	.68	2.80	2.20	2	--	--	--	--	--
MAR , 1984									
07...	.76	3.30	3.30	2	--	--	--	--	--
JUN									
19...	.75	2.60	2.60	3	--	--	--	--	--
AUG									
21...	.54	3.30	3.30	3	--	--	--	--	--
280629082454205 - INNISBROOK 20E NEAR TARPON SPRINGS, FL (LAT 28 06 29 LONG 082 45 42)									
NOV , 1983									
16...	.29	.160	.160	2	--	--	--	--	--
MAR , 1984									
07...	.33	.160	.160	1	--	--	--	--	--
JUN									
19...	.21	.210	.160	1	--	--	--	--	--
AUG									
21...	.12	.230	.140	2	--	--	--	--	--
280634082453405 - 27S15E25 INNISBROOK 144 (LAT 28 06 34 LONG 082 45 34)									
NOV , 1983									
16...	.13	.040	.020	1	--	--	--	--	--
MAR , 1984									
07...	.61	.340	.250	4	--	--	--	--	--
JUN									
19...	1.0	.180	.030	10	--	--	--	--	--
AUG									
20...	.99	.140	.070	13	--	--	--	--	--
280637082461201 - PINCO NWSTP 3915 DESOTO (LAT 28 06 37 LONG 082 46 12)									
NOV , 1983									
15...	.16	.080	.050	1	--	--	--	--	--
MAR , 1984									
05...	.28	.060	.050	1	--	--	--	--	--
JUN									
20...	<.05	.090	.040	1	--	--	--	--	--
AUG									
20...	.08	.050	.030	1	--	--	--	--	--
280647082461401 - PINCO NWST 811 HARRY (LAT 28 06 47 LONG 082 46 14)									
JUN , 1984									
20...	.05	.070	.020	1	--	--	--	--	--
AUG									
20...	.12	.040	.020	3	--	--	--	--	--

[illegible] AVAILABLE

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 16

POLK COUNTY

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4	274151081513201	263
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7	274409082015001	265
9	274517081584001	265
10	274547081470901	266
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18	275411081372001	271
18	275411081372002	271
18	275411081372003	272
19	275815081444201	272
20	275840081391101	273
21	275959081552501	273
22	280229081325201	274
24	280456081374301	275
25	280503081552801	276
26	280531081431601	276
26	280556081532601	277
27	280614081453602	277
28	280715081543501	278
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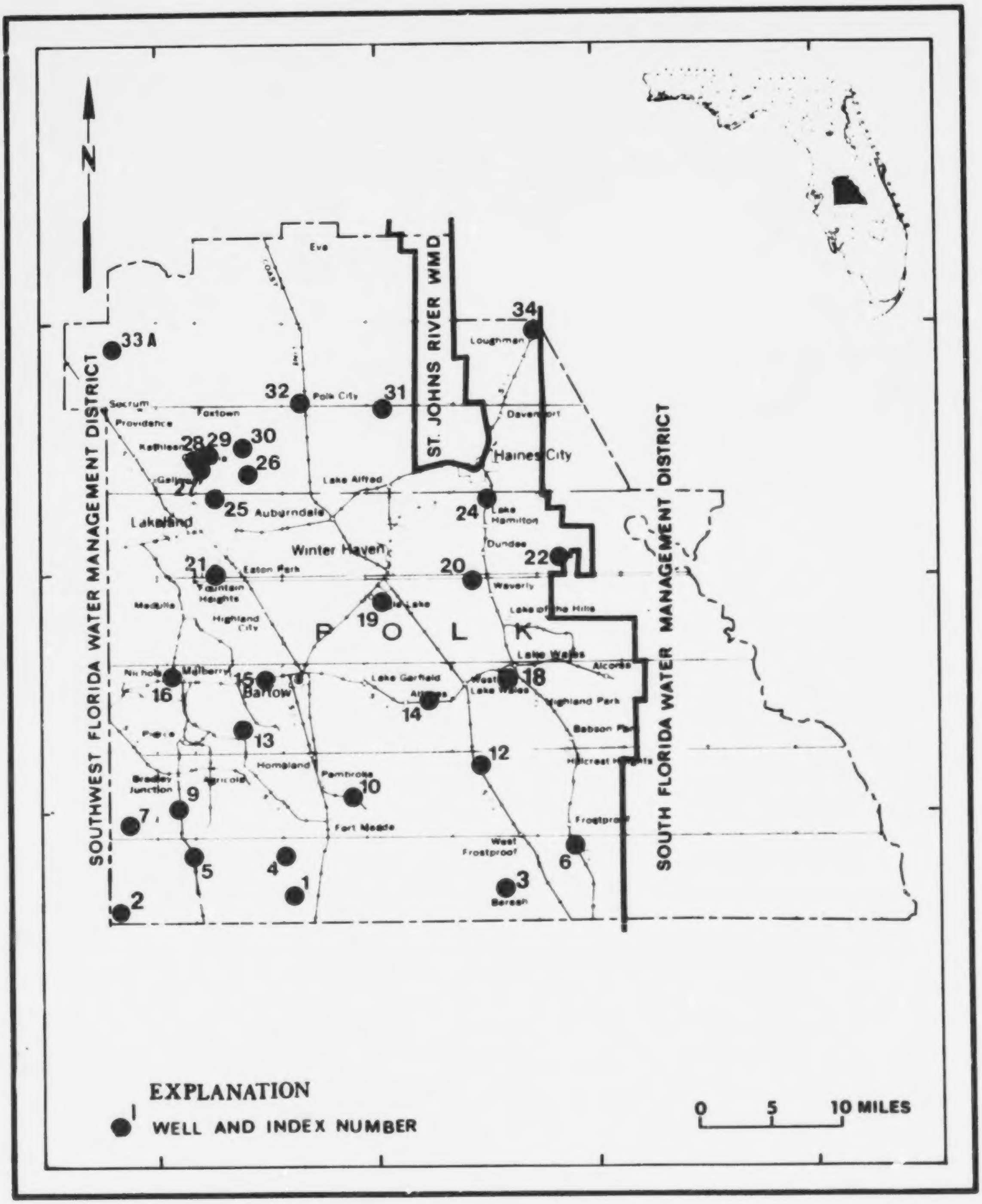
31	281008081441801	279
31	281008081441802	280
33	281051081362501	280
32	281057081495002	281
33A	281312082011601	281
34	281532081345001	282
34	281532081345002	282


N
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ST. JOHNS RIVER WMD
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
POLK
Eva
Loughman
Polk City
Socrum
Fostown
Providence
Kathleen
Gallman
Lakeland
Auburndale
Lake Alfred
Haines City
Davenport
Lake Hamilton
Dundee
Winter Haven
Eaton Park
Fountain Heights
Waverly
Lake of the Hills
Medulla
Highland City
Lake Wales
Alcoma
Nichols
Mulberry
Bartow
Lake Garfield
West Lake Wales
Highland Park
Babson Park
Pierce
Homeland
Pembroke
Hillcrest Heights
Bradley Junction
Agricola
Fort Meade
Frostproof
West Frostproof
Bereah
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10
12
13
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33 A
34
EXPLANATION
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 16. Location of wells in Polk County

WELL NUMBER.--273849081511101. Maddox Well near Bowling Green, FL.

LOCATION.--Lat 27°38'49", long 81°51'11", in SE¼SW¼ sec.31, T.32 S., R.25 E., Hydrologic Unit 03100101, 450 ft north of Polk-Hardee County Line Road, and 1.7 mi west of Bowling Green.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 737 ft, cased to 50 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of metal plate below shelter floor, 3.00 ft above land-surface datum. Prior to Sept. 14, 1971, top of recorder shelter floor, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 117.47 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby industrial and irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1963 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.91 ft NGVD, Mar. 10, 1964; lowest, 23.71 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	71.86	69.05	69.50	69.20	71.57	69.04	67.22	58.47	57.27	60.00	64.50	65.70
10	70.26	69.19	69.56	69.45	68.45	68.43	67.50	59.37	54.53	59.87	65.70	64.90
15	69.68	69.27	70.23	69.87	68.93	68.56	66.70	56.15	54.53	60.49	65.90	62.86
20	70.41	68.86	70.98	70.81	69.31	68.78	66.33	52.80	56.44	61.46	65.10	61.95
25	70.37	69.76	70.24	71.31	69.72	68.70	66.24	54.18	57.02	61.46	66.50	60.70
EOM	69.77	69.87	67.25	71.53	69.71	68.44	62.69	56.16	57.62	63.50	65.60	60.07
MAX	72.08	70.15	71.07	71.68	71.71	69.11	68.16	61.21	57.62	63.50	67.10	65.70

WTR YR 1984 HIGH 72.08 OCT 1

NOTE.--Record estimated July 31 to Sept. 10.

WELL NUMBER.--273851082031501. ROMP 40 Avon Park Well near Duette, FL.

LOCATION.--Lat 27°38'51", long 82°03'15", in SW¼SW¼ sec.31, T.33 S., R.23 E., Hydrologic Unit 03100101, 200 ft west of State Highway 37, 0.1 mi south of Grace Chemical Plant entrance road, and 6.3 mi north of Duette.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 10 in, depth 1,140 ft, cased to 408 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 2.09 ft above land-surface datum.

DATUM.--Land-surface datum is 137.94 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.70 ft NGVD, Oct. 9, 1982; lowest, 27.95 ft NGVD, May 23, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.96	49.11	50.22	50.24	50.98	45.88	44.32	37.75	30.71	38.57	45.94	46.67
10	52.55	49.23	50.71	50.65	47.19	44.90	44.41	35.65	31.25	40.07	46.47	45.72
15	51.65	49.43	51.32	50.93	46.88	45.12	43.61	32.33	30.74	41.45	46.96	43.10
20	51.86	48.91	52.01	51.37	46.75	45.50	43.62	29.16	33.02	42.85	46.93	42.31
25	51.79	49.21	51.91	52.02	47.23	45.85	43.33	28.32	34.87	43.71	47.33	40.69
EOM	50.79	49.55	49.22	51.97	47.03	45.26	40.81	30.41	36.39	45.22	47.72	40.15
MAX	54.08	50.57	52.44	52.34	51.49	46.29	44.95	39.82	36.39	45.22	48.12	47.44

WTR YR 1984 HIGH 54.08 OCT 4

POLK COUNTY

WELL NUMBER.--273851082031502. ROMP 40 Hawthorn Well near Duette, FL.

LOCATION.--Lat 27°38'51", long 82°03'15", in SW¼SW¼ sec.31, T.33 S., R.23 E., Hydrologic Unit 03100101, 200 ft west of State Highway 37, 0.1 mi south of Grace Chemical Plant entrance road, and 6.3 mi north of Duette.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in, depth 180 ft, cased to 76 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.21 ft above land-surface datum.

DATUM.--Land-surface datum is 137.94 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 130.03 ft NGVD, Mar. 28, 29, 1984; lowest, 126.46 ft NGVD, July 28, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	129.65	129.22	129.15	129.57	129.70	129.87	129.93	129.64	128.82	128.44	129.21	129.33
10	129.56	129.21	129.11	129.60	129.69	129.80	129.90	129.50	128.65	128.56	129.27	129.32
15	129.50	129.13	129.23	129.60	129.75	129.82	129.91	129.36	128.51	128.66	129.28	129.25
20	129.47	129.11	129.27	129.60	129.75	129.92	129.82	129.19	128.47	128.84	129.28	129.19
25	129.43	129.10	129.28	129.60	129.81	129.95	129.81	129.11	128.41	128.97	129.32	129.06
EOM	129.27	129.09	129.43	129.70	129.82	129.89	129.70	128.98	128.37	129.14	129.30	129.05
MAX	129.68	129.23	129.46	129.70	129.88	130.03	129.93	129.69	128.93	129.14	129.34	129.33

WTR YR 1984 HIGH 130.03 MAR 28 AND OTHERS

WELL NUMBER.--273851082031503. ROMP 40 Shallow Well near Duette, FL.

LOCATION.--Lat 27°38'51", long 82°03'15", in SW¼SW¼ sec.31, T.33 S., R.23 E., Hydrologic Unit 03100101, 200 ft west of State Highway 37, 0.1 mi south of Grace Chemical Plant entrance road, and 6.3 mi north of Duette.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 15 ft, cased to 10 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.90 ft above land-surface datum.

DATUM.--Land-surface datum is 137.94 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 137.70 ft NGVD, June 18, 1982; lowest, 133.92 ft estimated, NGVD, July 16, 17, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	135.96	135.23	136.08	137.10	136.32	136.48	136.47	135.58	134.58	136.59	137.46	136.99
10	135.72	135.77	136.00	137.15	136.09	136.18	136.50	135.47	134.33	136.85	136.71	136.45
15	136.10	135.43	136.20	136.75	136.68	136.90	137.26	135.15	134.34	137.12	136.80	135.94
20	135.82	135.90	136.60	136.95	136.32	136.85	136.64	134.87	135.10	137.28	136.24	135.86
25	135.80	135.95	136.90	136.63	136.88	137.18	136.21	135.30	135.16	137.44	136.93	135.51
EOM	135.39	136.36	137.20	136.38	136.97	136.35	135.85	134.99	135.63	137.36	136.51	136.28
MAX	136.17	136.36	137.20	137.40	137.28	137.27	137.26	135.80	135.63	137.52	137.46	136.99

WTR YR 1984 MAX 137.52

NOTE.--Record estimated Dec. 8 to Jan. 9.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--273929081363801. Altman Deep Well near Avon Park, FL.

LOCATION.--Lat 27°39'29", long 81°36'38", in NW¼NW¼ sec.34, T.32 S., R.27 E., Hydrologic Unit 03100101, 0.5 mi north of Hardee-Polk County line, and 11 mi northwest of Avon Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 6 in, depth 700 ft, cased to 80 ft.

INSTRUMENTATION.--Tape measured. Measuring point: End of horizontal discharge pipe, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 128.80 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1970 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.2[illegible] ft NGVD, Mar. 11, 1983; lowest measured, 60.64 ft NGVD, May 6, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			JUL		
04...	1435	87.89	12...	1355	82.81
JAN			SEP		
13...	1120	86.65	11...	1145	85.54
MAR			13...	0740	85.44
07...	1750	86.33			
MAY					
30...	1530	76.63			

WELL NUMBER.--274151081513201. Gardinier Deep Well near Bowling Green, FL.

LOCATION.--Lat 27°41'51", long 81°51'32", in SW¼NW¼ sec.18, T.32 S., R.25 E., Hydrologic Unit 03100101, 3.5 mi south of State Highway 630, and 5.0 mi northwest of Bowling Green.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 908 ft, cased to 410 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 3.30 ft above land-surface datum.

DATUM.--Land-surface datum is 133.00 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby industrial and irrigation wells.

PERIOD OF RECORD.--October 1972 to September 1981; October 1981 to September 1983 (bimonthly); October 1983 to September 1984 (monthly); incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.98 ft NGVD, Nov. 1, 1982; lowest daily maximum water level, 24.51 ft NGVD, May 10, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
04...	1535	70.08	08...	1115	60.76
DEC			16...	1405	56.63
07...	1015	70.05	30...	1455	56.99
JAN			JUL		
10...	1630	69.73	09...	1400	60.65
MAR			AUG		
05...	1045	69.76	15...	1210	63.27
APR			SEP		
02...	1100	68.61	11...	1715	66.24

POLK COUNTY

WELL NUMBER.--274155081573201. Fort Green Springs Road Well near Bradley Junction, FL.

LOCATION.--Lat 27°41'55", long 81°57'32", in SE¼SE¼ sec.13, T.32 S., R.23 E., Hydrologic Unit 03100101, 3.0 mi south of Brewster on Fort Green Springs Road, and 3.0 mi south of Bradley Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 302 ft, cased to 280 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 8 in casing extension, 2.45 ft above land-surface datum. Prior to Sept. 17, 1971, top of casing, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 134.48 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby industrial wells.

PERIOD OF RECORD.--August 1964 to September 1976 (bimonthly), incomplete; October 1976 to September 1980 (monthly); October 1980 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.76 ft NGVD, Oct. 1, 1964; lowest measured, 25.76 ft NGVD, May 14, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV			MAY		
04...	1600	69.52	08...	1045	59.82
DEC			16...	1510	55.89
07...	1100	69.43	JUL		
JAN			09...	1330	59.74
10...	1130	69.07	SEP		
MAR			11...	1345	65.45
05...	1020	69.08			

WELL NUMBER.--274225081315201. USGS Shallow Well P-48 near Frostproof, FL.

LOCATION.--Lat 27°42'26", long 81°31'52", in SW¼SW¼ sec.9, T.32 S., R.28 E., Hydrologic Unit 03090101, 60 ft east of Alternate U. S. Highway 27, and 2.7 mi south of Frostproof.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 62 ft, cased to 59 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.15 ft above land-surface datum. Prior to Oct. 1, 1977, top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 144.31 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1948 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to Oct. 1, 1977, published as USGS Observation Well P48 near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 106.23 ft NGVD, Oct. 7, 1948; lowest, 96.16 ft NGVD, May 30, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	99.89	99.50	99.20	99.08	98.70	98.49	98.51	98.35	98.53	98.56	98.50	98.42
10	100.02	99.45	99.12	99.02	98.64	98.48	98.55	98.38	98.69	98.50	98.50	98.46
15	99.92	99.36	99.08	98.94	98.60	98.52	98.51	98.30	98.81	98.47	98.50	98.42
20	99.82	99.44	99.06	98.89	98.55	98.62	98.44	98.46	98.81	98.50	98.49	98.39
25	99.71	99.37	99.03	98.83	98.51	98.57	98.38	98.48	98.78	98.50	98.50	98.30
EOM	99.58	99.26	99.04	98.76	98.50	98.52	98.33	98.50	98.65	98.50	98.51	98.29
MAX	100.02	99.56	99.24	99.08	98.75	98.62	98.55	98.50	98.81	98.63	98.52	98.49

WTR YR 1984 HIGH 100.02 OCT 8 AND OTHERS

NOTE.--Record estimated July 6-12, July 16 to Aug. 20.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--274409082015001. Bethlehem Road Deep Well near Bradley Junction, FL.

LOCATION.--Lat 27°44'09", long 82°01'50", in SW¼SE¼ sec.32, T.31 S., R.23 E., Hydrologic Unit 03100204, 0.4 mi north of Bethlehem Road, and 6.0 mi southwest of Bradley Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 12 in, depth 1,000 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 0.33 ft above land-surface datum. Prior to July 15, 1981, top of recorder shelter floor, 0.50 ft above land-surface datum.

DATUM.--Land-surface datum is 124.50 ft National Geodetic Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby industrial and irrigation wells.

PERIOD OF RECORD.--September 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 64.74 ft NGVD, Oct. 3, 1982; lowest, 16.60 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	62.36	58.76	60.27	58.76	60.40	57.55	55.90	49.78	43.31	48.05	53.11	54.25
10	61.06	58.20	59.85	58.31	58.08	57.07	55.87	46.74	42.79	48.95	54.09	54.73
15	60.16	58.75	60.00	59.38	57.38	56.94	55.22	44.58	42.17	49.44	54.74	52.62
20	60.15	58.43	60.76	60.58	57.37	56.52	54.08	41.45	44.10	51.01	53.65	50.56
25	60.52	59.79	61.63	61.27	57.69	56.60	54.12	40.12	44.57	51.29	54.55	49.84
EOM	60.05	59.10	58.25	60.87	57.98	57.17	51.68	41.38	45.57	52.87	55.06	48.23
MAX	63.69	59.93	61.63	62.02	61.00	57.95	56.70	51.28	45.57	52.87	56.12	54.93

WTR YR 1984 HIGH 63.69 OCT 3

WELL NUMBER.--274517081584001. Brewster Well near Bradley Junction, FL.

LOCATION.--Lat 27°45'17", long 81°58'40", in NW¼SE¼ sec.26, T.31 S., R.23 E., Hydrologic Unit 03100204, 0.9 mi north of State Highway 630, and 4.0 mi south of Bradley Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 16 in, depth 834 ft, cased to 394 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of steel plate, 2.54 ft above land-surface datum. Prior to Nov. 9, 1981, top of flange, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 136.68 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby industrial wells.

PERIOD OF RECORD.--October 1963 to September 1981 (monthly), incomplete; October 1981 to September 1983 (bimonthly); October 1983 to September 1984 (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.77 ft NGVD, Mar. 2, 1964; lowest measured, 25.38 ft NGVD, May 14, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV 01...	0810	69.26	MAY 08...	0850	59.15
DEC 07...	1115	69.04	16...	1610	55.34
JAN 10...	0915	68.38	30...	0930	55.03
FEB 06...	0755	70.67	JUL 09...	1124	59.34
MAR 05...	0815	68.62	AUG 15...	1015	61.21
APR 02...	0850	67.35	SEP 11...	1410	64.83

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--274547081470901. ROMP 45 Hawthorn Well at Ft. Meade, FL.

LOCATION.--Lat 27°45'47", long 81°47'09", in SE¼SW¼ sec.23, T.31 S., R.25 E., Hydrologic Unit 03100101, 0.1 mi north of Ninth Street, and 0.8 mi east of U. S. Highway 17 in Ft. Meade.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 192 ft, cased to 110 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, [illegible] ft above land-surface datum.

DATUM.--Land-surface datum is 121.56 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--February 1976 to current year. Prior to October 1979, published as Ft. Meade BM Well at Ft. Meade.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 78.46 ft NGVD, Apr. 17, 1983; lowest, 37.14 ft NGVD, May 8, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.26	73.20	73.56	72.74	74.50	72.76	71.53	64.70	62.66	64.70	67.25	69.02
10	73.77	73.22	73.54	72.76	71.60	72.32	71.58	64.50	59.87	64.30	67.97	69.49
15	73.87	73.22	73.85	73.12	72.43	72.31	70.98	62.50	59.60	65.00	68.64	68.74
20	74.37	72.83	74.37	73.67	72.73	72.51	70.73	58.62	61.59	65.83	68.74	67.90
25	74.38	73.58	73.06	74.25	73.28	72.51	70.34	60.44	62.27	65.87	68.80	67.20
EOM	73.41	73.85	70.63	74.52	73.38	72.07	67.30	61.84	62.81	67.45	69.10	66.50
MAX	75.73	73.91	74.37	74.60	74.75	72.86	71.96	66.78	62.81	67.45	69.30	69.60

WTR YR 1984 HIGH 75.73 OCT 1

WELL NUMBER.--274547081470902. ROMP 45 Suwannee Well at Ft. Meade, FL.

LOCATION.--Lat 27°45'47", long 81°47'09", in SE¼SW¼ sec.23, T.31 S., R.25 E., Hydrologic Unit 03100101, 0.1 mi north of Ninth Street, and 0.8 mi east of U. S. Highway 17 in Ft. Meade.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 440 ft, cased to 330 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 4.37 ft above land-surface datum. Prior to April 1981, top of recorder shelter floor, 4.20 ft above land-surface datum.

DATUM.--Land-surface datum is 122.07 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1980 to September 1983; October 1983 to September 1984 (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 74.90 ft NGVD, Apr. 14, 1983; lowest, 31.63 ft NGVD, May 16, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
03...	1135	72.74	01...	1330	62.72
NOV			16...	1350	57.08
15...	0905	70.04	JUN		
DEC			06...	0824	58.41
14...	1535	71.06	JUL		
JAN			02...	1356	59.84
04...	1340	69.32	AUG		
FEB			09...	1052	64.93
15...	1136	69.65	SEP		
MAR			05...	1210	65.84
07...	1712	69.80	11...	1250	66.70
27...	0940	69.78			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--274547081470903. ROMP 45 Avon Park Well at Ft. Meade, FL.

LOCATION.--Lat 27°45'47", long 81°47'09", in SE¼SW¼ sec.23, T.31 S., R.25 E., Hydrologic Unit 03100101, 0.1 mi north of Ninth Street, and 0.8 mi east of U. S. Highway 17 in Ft. Meade.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 757 ft, cased to 680 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.22 ft above land-surface datum. Prior to Feb. 19, 1981, top of recorder shelter floor, 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 122.16 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 74.78 ft NGVD, Apr. 15, 1983; lowest, 31.75 ft NGVD, May 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.55	70.21	70.36	69.57	72.12	69.99	68.25	61.09	58.84	61.19	64.10	66.10
10	71.01	69.93	70.37	69.87	69.11	69.49	68.40	60.90	56.20	61.06	64.90	66.73
15	70.51	70.12	70.92	70.32	69.65	69.30	67.84	58.55	55.04	61.62	65.65	64.95
20	71.21	69.68	71.54	71.25	70.00	69.66	67.50	55.05	57.76	62.64	65.55	63.27
25	71.22	70.49	71.27	71.75	70.38	69.57	67.36	55.76	58.32	62.63	65.82	62.76
EOM	70.45	70.78	67.89	71.98	70.40	69.43	64.10	57.62	58.93	64.26	66.59	61.30
MAX	72.95	70.99	71.54	72.09	72.23	69.99	69.14	63.60	58.93	64.26	66.64	66.83

WTR YR 1984 HIGH 72.95 OCT 1

WELL NUMBER.--274742081375601. Kelley Well near Alturas, FL.

LOCATION.--Lat 27°47'42", long 81°37'56", in SE¼SE¼ sec.8, T.31 S., R.27 E., Hydrologic Unit 03100101, 0.2 mi east of Lake Buffum Road, and 7.2 mi southwest of Alturas.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 10 in, depth 959 ft, cased to 306 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1 in access hole in pump base, 0.35 ft above land-surface datum.

DATUM.--Land-surface datum is 145.79 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--January 1964 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Kelley Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.72 ft NGVD, Mar. 4, 1964; lowest measured, 62.20 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT		
05...	0945	89.82
NOV		
09...	1132	89.04
DEC		
15...	0923	90.31
JAN		
04...	1515	86.39
FEB		
15...	1445	87.15
MAR		
07...	1757	88.93
27...	1230	88.96

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
MAY		
01...	1505	81.71
15...	1015	76.90
JUN		
06...	1130	81.62
JUL		
02...	1254	83.33
AUG		
08...	1453	87.11
SEP		
05...	1617	87.01
11...	0930	86.92

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--275009081540901. Pebbledale Road Well near Pierce, FL.

LOCATION.--Lat 27°50'09", long 81°54'09", in NE¼NW¼ sec.34, T.30 S., R.24 E., Hydrologic Unit 03100101, 300 ft north of State Highway 640, and 4.3 mi east of Pierce.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 303 ft, cased to 288 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.72 ft above land-surface datum.

DATUM.--Land-surface datum is 167.35 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

REMARKS.--Water levels affected by pumping of nearby industrial wells.

PERIOD OF RECORD.--August 1964 to August 1972 (bimonthly); September 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 74.95 ft NGVD, Apr. 13, 14, 1983; lowest, 24.80 ft NGVD, May 10, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.53	70.07	70.18	69.40	70.90	69.80	68.21	61.39	58.43	61.05	64.06	65.88
10	71.06	69.87	70.28	69.60	69.10	69.16	68.41	60.96	56.33	60.97	64.85	66.53
15	70.52	70.04	70.80	70.03	69.92	69.25	67.71	59.01	55.10	61.32	65.50	64.69
20	71.15	69.59	71.41	70.94	70.09	69.52	67.52	55.30	57.56	62.43	65.44	63.12
25	71.09	70.74	71.51	71.52	70.36	69.50	67.31	55.74	58.22	62.53	65.70	62.42
EOM	70.58	70.62	68.23	71.63	70.35	69.19	64.17	57.52	58.75	63.99	66.44	61.20
MAX	72.85	70.96	71.51	71.73	71.92	70.10	68.96	63.61	58.75	63.99	66.47	66.53

WTR YR 1984 HIGH 72.85 OCT 1

WELL NUMBER.--275207081411301. R. Perdue Well near Alturas, FL.

LOCATION.--Lat 27°52'07", long 81°41'13", in NW¼SE¼ sec.14, T.30 S., R.26 E., Hydrologic Unit 03100101, 0.2 mi south of Seaboard Coastline Railroad, and 1.8 mi east of Alturas.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 10 in, depth 783 ft, cased to 266 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in pump base, 0.65 ft above land-surface datum.

DATUM.--Land-surface datum is 138.04 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Record is equivalent to that for Perdue Well (275211081425501), available February 1955 to May 1975.

PERIOD OF RECORD.--January 1976 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.57 ft NGVD, Apr. 5, 1983; lowest measured, 51.19 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 05...	0850	83.37	MAY 15...	0835	76.03
NOV 09...	1100	84.59	JUN 05...	1409	76.61
DEC 15...	0842	86.56	JUL 02...	1540	78.33
JAN 04...	1545	84.14	AUG 09...	1522	82.48
FEB 15...	1510	84.83	SEP 05...	1647	82.94
MAR 07...	[illegible]	82.51	11...	0810	83.43
26...	[illegible]	85.18			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--275314081514201. ROMP 59 Avon Park Well at Bartow, FL.

LOCATION.--Lat 27°53'14", long 81°51'42", in SE¼NE¼ sec.12, T.30 S., R.24 E., Hydrologic Unit 03100101, 950 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 1,050 ft, cased to 200 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of coupling, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 117.41 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1977 to current year. Prior to October 1979, published as Bartow Avon Park Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.65 ft NGVD, Apr. 20, 1983; lowest, 33.33 ft NGVD, May 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.45	71.01	71.15	70.79	73.06	71.13	69.64	63.78	60.02	62.22	65.75	67.23
10	72.08	70.88	71.21	71.08	70.38	70.38	69.78	62.79	58.11	62.63	66.10	67.77
15	71.53	71.05	71.77	71.44	70.88	70.52	69.26	61.45	56.90	63.89	66.79	66.07
20	72.27	70.56	72.20	72.15	71.13	70.70	68.82	57.40	59.15	64.00	66.81	64.68
25	72.20	71.73	72.47	72.86	71.47	70.62	68.84	57.75	59.70	64.70	67.05	63.89
EOM	71.56	71.56	69.53	72.92	71.50	70.50	66.10	59.28	60.81	65.60	67.71	62.92
MAX	73.77	71.94	72.47	73.02	73.17	71.23	70.32	65.77	60.81	65.60	67.76	67.77

WTR YR 1984 HIGH 73.77 OCT 3

WELL NUMBER.--275314081514202. ROMP 59 Hawthorn Well at Bartow, FL.

LOCATION.--Lat 27°53'14", long 81°51'42", in SE¼NE¼ sec.12, T.30 S., R.24 E., Hydrologic Unit 03100101, 930 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 142 ft, cased to 122 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 117.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1977 to current year. Prior to October 1979, published as Bartow Hawthorn Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 92.46 ft NGVD, Apr. 15, 16, 1983; lowest, 74.85 ft NGVD, June 15, 16, 17, 18, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	89.27	88.34	87.64	88.53	89.45	88.74	87.90	86.16	83.46	82.46	83.33	85.58
10	89.12	88.23	87.51	88.81	89.30	88.65	87.68	85.68	83.17	82.55	83.71	85.84
15	88.95	88.04	87.54	88.99	89.26	88.49	87.46	85.14	82.92	82.65	84.10	85.83
20	88.75	87.82	87.61	89.19	89.04	88.39	87.19	84.60	82.73	82.78	84.55	85.75
25	88.66	87.72	87.90	89.36	88.92	88.32	86.92	84.13	82.64	82.93	84.94	85.53
EOM	88.49	87.71	88.18	89.46	88.86	88.19	86.55	83.77	82.54	83.12	85.33	85.26
MAX	89.31	88.47	88.18	89.46	89.50	88.82	88.13	86.47	83.68	83.12	85.33	85.87

WTR YR 1984 HIGH 89.50 FEB 4

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--275314081514203. ROMP 59 Upper Hawthorn Well at Bartow, FL.

LOCATION.--Lat 27°53'14", long 81°51'42", in SE¼NE¼ sec.12, T.30 S., R.24 E., Hydrologic Unit 03100101, 970 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 60 ft, cased to 50 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 118.71 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1977 to September 1979; October 1979 to current year (bimonthly). Prior to October 1979, published as Bartow Upper Hawthorn Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.29 ft NGVD, Oct. 13, 1982; lowest daily maximum water level, 75.24 ft NGVD, June 13, 16, 17, 18, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
03...	1654	89.60	26...	0942	88.59
DEC			JUN		
13...	0900	87.91	06...	1431	83.34
FEB			AUG		
14...	1422	89.65	07...	1117	84.09

WELL NUMBER.--275326081585801. ROMP 60 Deep Well at Mulberry, FL.

LOCATION.--Lat 27°53'26", long 81°58'58", in SE¼NW sec.11, T.30 S., R.23 E., Hydrologic Unit 03100204, 0.3 mi south of State Highway 60, and 0.5 mi west of Mulberry.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 10 in, depth 710 ft, cased to 237 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 99.72 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby industrial and irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--February 1955 to December 1959 (bimonthly); February 1960 to February 1961 (annually); March 1961 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Mulberry Deep Well at Mulberry.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.07 ft NGVD, Oct. 23, 1959; lowest daily maximum water level, 25.90 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.63	69.98	70.23	69.72	72.05	70.11	68.61	62.10	58.59	61.09	64.32	66.02
10	71.20	69.64	70.26	69.89	69.42	69.31	68.73	61.50	56.93	61.44	65.12	66.49
15	70.69	69.93	70.70	70.36	69.78	69.44	68.19	59.87	55.60	61.44	65.58	64.82
20	71.23	69.49	71.29	71.14	70.12	69.66	67.83	56.24	57.60	62.44	65.69	63.47
25	71.01	70.58	71.47	71.79	70.39	69.63	67.65	56.26	58.56	62.76	65.92	62.58
EOM	70.54	70.55	68.43	71.94	70.46	69.55	64.88	57.87	59.00	63.97	66.59	61.52
MAX	72.90	71.00	71.47	72.09	72.21	70.19	69.38	64.28	59.00	63.97	66.60	66.49

WTR YR 1984 HIGH 72.90 OCT 3

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--275411081372001. ROMP 57 Floridan Well near Lake Wales, FL.

LOCATION.--Lat 27°54'11", long 81°37'20", in NE¼NE¼ sec.4, T.30 S., R.27 E., Hydrologic Unit 03100101, 40 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in, depth 634 ft, cased to 160 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.21 ft (corrected) above land-surface datum.

DATUM.--Land-surface datum is 128.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1981 to current year. Prior to Oct. 1, 1982, published as ROMP 57-1 Floridan Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 108.54 ft NGVD, Mar. 29, 1983; lowest, 91.75 ft NGVD, May 21, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	102.85	103.55	106.79	105.67	107.07	106.79	102.24	94.54	103.13	104.87	106.35	106.04
10	102.92	105.21	106.82	106.84	104.25	105.14	103.68	97.85	98.55	105.01	106.00	106.56
15	105.56	106.19	107.17	107.39	105.19	104.62	103.50	98.96	96.92	103.36	105.82	103.51
20	106.70	106.21	107.79	107.58	106.70	104.84	103.93	95.85	99.97	105.67	103.69	100.58
25	107.10	106.48	107.86	107.98	107.17	105.55	99.98	99.01	102.85	106.26	103.76	100.87
EOM	105.15	105.13	102.55	107.70	107.31	104.02	97.69	102.62	103.59	106.11	105.54	102.96
MAX	107.15	106.48	108.09	107.98	107.52	106.84	104.28	102.62	103.59	106.26	106.35	106.56

WTR YR 1984 HIGH 108.09 DEC 24

WELL NUMBER.--275411081372002. ROMP 57 Hawthorn Well near Lake Wales, FL.

LOCATION.--Lat 27°54'11", long 81°37'20", in NE¼NE¼ sec.4, T.30 S., R.27 E., Hydrologic Unit 03100101, 25 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in, depth 140 ft, cased to 95 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.08 ft above land-surface datum.

DATUM.--Land-surface datum is 128.10 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1981 to current year. Prior to Oct. 1, 1982, published as ROMP 57-2 Hawthorn Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 120.68 ft NGVD, July 29, 1982; lowest, 113.09 ft NGVD, Mar. 5, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.70	116.48	117.61	118.45	118.04	117.91	117.31	114.34	115.86	116.50	117.34	117.44
10	116.23	116.69	117.47	118.44	117.34	117.61	117.54	115.58	115.30	116.35	117.40	117.06
15	116.74	116.77	117.93	118.53	117.69	117.63	117.15	115.09	114.94	116.71	117.03	116.68
20	117.31	116.62	118.48	118.36	117.71	117.61	116.89	114.75	115.41	117.94	116.63	116.18
25	117.37	116.81	118.15	118.44	118.15	117.69	116.45	115.53	115.95	117.82	116.80	115.68
EOM	116.91	116.94	118.25	118.17	117.84	117.22	115.60	116.28	115.98	117.57	117.55	116.27
MAX	117.37	116.94	118.60	118.57	118.28	118.05	117.54	116.28	116.22	117.97	117.64	117.63

WTR YR 1984 HIGH 118.60 DEC 23

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--275411081372003. ROMP 57-3 Shallow Well near Lake Wales, FL.

LOCATION.--Lat 27°54'11", long 81°37'20", in NE¼NE¼ sec.4, T.30 S., R.27 E., Hydrologic Unit 03100101, 40 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 40 ft, cased to 15 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 0.75 in coupling, 1.30 ft above land-surface datum.

DATUM.--Land-surface datum is 128.82 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1981 to September 1983 (bimonthly); October 1983 to September 1984 (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.59 ft NGVD, Aug. 4, 1982; lowest measured, 117.02 ft NGVD, Feb. 9, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
05...	1100	119.64	02...	0730	119.56
NOV			JUN		
09...	1200	119.26	04...	1307	118.83
DEC			JUL		
15...	1022	120.35	02...	1220	118.48
JAN			19...	1617	120.85
05...	0930	121.69	AUG		
FEB			09...	1613	120.22
15...	1535	120.52	SEP		
MAR			05...	1802	120.29
08...	0750	120.34			
27...	1320	120.55			

WELL NUMBER.--275815081444201. Lake McLeod Shallow Well near Eagle Lake, FL.

LOCATION.--Lat 27°58'15", long 81°44'42", in SE¼SE¼ sec.7, T.29 S., R.26 E., Hydrologic Unit 03100101, at intersection Eagle Loop Road and Lake McLeod Road, and 1.0 mi east of Eagle Lake.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 26 ft, cased to 24 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 139.25 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1965 to September 1983 (bimonthly); October 1983 to September 1984 (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 132.13 ft NGVD, July 3, 1984; lowest measured, 122.93 ft NGVD, June 1, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
04...	1645	130.61	01...	1600	128.59
NOV			JUN		
09...	0800	129.57	04...	1157	128.64
DEC			JUL		
14...	0900	129.07	03...	0757	132.13
JAN			AUG		
05...	0845	131.79	08...	0640	130.98
FEB			SEP		
14...	1915	129.78	06...	1216	131.90
MAR					
08...	0715	130.19			
26...	1606	129.63			

POLK COUNTY

WELL NUMBER.--275840081391101. Rodgers Well near Waverly, FL.

LOCATION.--Lat 27°58'40", long 81°39'11", in SE¼NW¼ sec.7, T.29 S., R.27 E., Hydrologic Unit 03100101, 300 ft south of State Highway 540, 1.3 mi west of U. S. Highway 27, and 2.3 mi west of Waverly.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 12 in, depth 612 ft, cased to 91 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in pump base, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 141.80 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--1958, 1971, 1972 (annually); January 1973 to September 1977 (quarterly); October 1977 to current year (monthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1977, published as Rogers Well near Waverly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.53 ft NGVD, Nov. 5, 1958; lowest measured, 96.64 ft NGVD, May 13, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT		
05...	1415	110.50
NOV		
09...	1630	113.75
DEC		
15...	1057	116.91
JAN		
05...	0950	115.80
FEB		
15...	1659	114.66
MAR		
08...	0827	114.85
27...	1830	114.56
MAY		
02...	0700	105.26
14...	1500	107.99
JUN		
05...	1220	110.38
JUL		
02...	1610	113.41
AUG		
08...	1711	115.28
SEP		
06...	1232	114.72
10...	1500	115.44

WELL NUMBER.--275959081552501. Sanlon Ranch Deep Well near Eaton Park, FL.

LOCATION.--Lat 27°59'59", long 81°55'25", in SW¼SW¼ sec.33, T.28 S., R.24 E., Hydrologic Unit 03100101, 200 ft east of State Highway 37, and 1.1 mi southwest of Eaton Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 24 in, depth 1,220 ft, cased to 293 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 125.22 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--January 1970 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 98.70 ft NGVD, Apr. 19, 1983; lowest, 66.38 ft NGVD, May 9, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	97.98	96.24	96.67	96.47	97.66	97.09	95.70	92.19	89.87	90.59	93.44	93.90
10	97.27	96.21	96.48	96.67	96.67	96.57	95.80	91.44	88.97	91.24	93.76	94.04
15	97.04	96.41	96.81	96.91	96.46	96.23	95.69	91.15	87.93	91.37	94.21	93.62
20	97.30	96.36	97.21	97.22	96.63	96.33	95.24	89.72	88.72	91.75	94.35	93.02
25	97.36	96.31	97.34	97.65	96.90	96.19	94.85	88.83	89.47	92.30	93.85	92.66
EOM	96.91	96.52	96.22	97.65	97.01	96.13	93.79	89.75	89.57	92.80	94.40	92.28
MAX	98.31	96.84	97.37	97.70	97.77	97.09	96.11	93.43	89.94	92.80	94.50	94.30

WTR YR 1984 HIGH 98.31 OCT 1

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--280229081325201. Lake Hatchineha Road Well near Lake Hamilton, FL.

LOCATION.--Lat 28°02'29", long 81°32'52", in SE¼SE¼ sec.18, T.28 S., R.28 E., Hydrologic Unit 03090101, on north side of State Highway 542, 5.0 mi east of town of Lake Hamilton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 463, cased to 137 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 0.75 in hole in cap, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 93.90 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, land-surface datum was considered to be 90.8 ft NGVD.

REMARKS.--The figures of water level as elevation NGVD prior to Oct. 1, 1978, are in error. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1963 to September 1983 (bimonthly); October 1983 to September 1984 (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Lake Hamilton Well near Lake Hamilton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.56 ft NGVD, Nov. 10, 1969; lowest measured, 74.47 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
06...	0630	80.62	02...	0810	78.90
NOV			14...	1305	79.67
10...	0730	82.04	JUN		
DEC			04...	1246	80.32
15...	1118	82.07	JUL		
JAN			02...	1055	81.10
05...	1010	82.65	AUG		
FEB			09...	1725	81.76
16...	0930	82.57	SEP		
MAR			06...	1321	81.99
08...	0855	82.34	10...	1140	82.12
27...	1845	82.11			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--280456081374301. Smith Well at Haines City, FL.

LOCATION.--Lat 28°04'56", long 81°37'43", in NW¼NW¼ sec.4, T.28 S., R.27 E., Hydrologic Unit 03100101, 0.1 mi south of State Highway 544, and 0.4 mi west of Alternate U. S. Highway 27 at Haines City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 10 in, depth 549 ft, cased to 110 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of access hole in pump base, 0.70 ft above land-surface datum. Prior to Jan. 2, 1975, end of 6 in discharge pipe, 8.0 ft above land-surface datum.

DATUM.--Land-surface datum is 167.99 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 170 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--May 1973 to September 1977 (quarterly); October 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -2.01 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 113.50 ft NGVD, Jan. 31, 1980; lowest measured, 96.03 ft NGVD, Mar. 31, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
NOV		
10...	0800	111.42
DEC		
15...	1139	112.47
JAN		
05...	1030	111.80
FEB		
16...	1000	112.28
MAR		
08...	0907	111.81
28...	0900	111.51
MAY		
02...	0840	104.37
MAY		
14...	1415	107.22
JUN		
04...	1111	109.92
JUL		
02...	1016	110.89
AUG		
09...	1800	111.80
SEP		
06...	1339	110.67
10...	1125	111.71

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--280503081552801. Local Number 805-155-02. Fish Lake Deep Well near Lakeland, FL.

LOCATION.--Lat 28°05'03", long 81°55'28", in SE¼SE¼SE¼ sec.32, T.27 S., R.24 E., Hydrologic Unit 03100101, 50 ft east of Lake Park Drive, 1.4 mi south of Old Combee Road, and 3.5 mi northeast of Lakeland.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 311 ft, cased to 265 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.65 ft above land-surface datum.

DATUM.--Land-surface datum is 134.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1955 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.97 ft NGVD, Aug. 8, 1960; lowest measured, 103.60 ft NGVD, May 10, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 11...	1130	114.71	MAY 15...	1325	107.08
NOV 29...	1150	111.05	JUN 08...	1040	106.41
JAN 25...	1125	112.19	AUG 03...	1110	112.25
MAR 19...	1200	114.99	SEP 11...	1235	109.94

WELL NUMBER.--280531081431601. Local Number 805-143-01. Lake Alfred Deep Well at Lake Alfred, FL.

LOCATION.--Lat 28°05'31", long 81°43'16", in SE¼SW¼NW¼ sec.33, T.27 S., R.26 E., Hydrologic Unit 03100101, on northeast corner at intersection of Glencruiten Avenue and Haines Boulevard at Lake Alfred.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 12 in, depth 555 ft; cased to 282 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 0.34 ft above land-surface datum.

DATUM.--Land-surface datum is 171.04 ft, National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 180 ft, from topographic map.

REMARKS.--The figures of water levels as elevation NGVD prior to Oct. 1, 1979, are in error. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--May 1973 to February 1976 (quarterly), incomplete; March 1976 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 126.51 ft NGVD, present datum, July 10, 1974; lowest, 109.13 ft NGVD, May 15, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	121.01	120.40	122.97	122.33	122.74	122.95	121.20	115.42	119.87	122.69	---	122.35
10	120.60	122.45	122.64	123.17	120.97	122.64	122.53	117.28	116.69	122.39	123.38	123.26
15	123.00	122.83	123.15	123.38	122.69	122.13	122.21	117.14	117.33	122.46	123.22	121.25
20	123.56	122.56	123.46	123.44	122.90	121.92	121.88	116.21	119.99	122.92	123.00	121.93
25	123.60	123.06	122.82	123.61	123.26	122.40	120.22	118.90	121.27	123.11	122.63	121.99
EOM	122.83	123.01	119.81	123.22	123.45	121.52	118.06	121.49	121.54	123.15	122.57	122.59
MAX	123.70	123.26	123.49	123.64	123.52	122.[illegible]	122.62	121.49	121.54	123.35	---	123.26

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--280556081532601. Local Number 805-153-211. Tennorock Road Well near Lakeland, FL.

LOCATION.--Lat 28°05'56", long 81°53'26", in SE¼SE¼SE¼ sec.27, T.27 S., R.24 E., Hydrologic Unit 03100101, on south side of Tennorock Road, 0.9 mi east of Alternate State Highway 33, and 5.4 mi northeast of Lakeland.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 72 ft, cased to 45 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.85 ft above land-surface datum.

DATUM.--Land-surface datum is 131.46 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1956 to February 1960 (monthly), incomplete; June 1960 to May 1961 and January 1963 to September 1977 (about thrice yearly); October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 124.41 ft NGVD, Sept. 18, 1979; lowest measured, 96.15 ft NGVD, May 7, 1968.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 14...	1140	118.98	MAY 21...	1035	117.27
NOV 29...	1135	119.35	JUN 08...	1025	117.06
JAN 25...	1110	120.80	AUG 03...	1055	119.92
MAR 19...	1135	120.25	SEP 11...	1215	120.20

WELL NUMBER.--280614081563602. Local Number 806-156-342A. State Highway 33 and Lakeland Hills Boulevard Deep Well near Lakeland, FL.

LOCATION.--Lat 28°06'14", long 81°56'36", in SE¼NW¼SE¼ sec.30, T.27 S., R.24 E., Hydrologic Unit 03100208, on south side of State Highway 33, 0.8 mi northeast of Lakeland Hills Boulevard, and 4.1 mi north of Lakeland.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 103 ft, cased to 63 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.90 ft above land-surface datum.

DATUM.--Land-surface datum is 136.04 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1956 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.85 ft NGVD, Oct. 22, 1959; lowest measured, 103.11 ft NGVD, May 10, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 11...	1100	112.93	JUN 08...	1050	108.86
JAN 25...	1145	114.55	AUG 03...	1120	113.41
MAR 19...	1205	113.41	SEP 11...	1150	112.69
MAY 15...	1140	109.87			

POLK COUNTY

WELL NUMBER.--280715081543501. Local Number 807-154-433. State Highway 33 and Combee Road Deep Well near Lakeland, FL.

LOCATION.--Lat 28°07'07", long 81°54'30", in SW¼NE¼SE¼ sec.21, T.27 S., R.24 E., Hydrologic Unit 03100101, at the intersection of State Highway 33 and Combee Road, 1.5 mi southwest of Interstate Highway 4, and 7.3 mi northeast of Lakeland.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 55 ft, cased to 31 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 136.20 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1956 to September 1977 (thrice yearly); October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.92 ft NGVD, July 7, 1959; lowest measured, 118.56 ft NGVD, Nov. 6, 1964.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 11...	1015	134.61	MAY 15...	1215	133.90
NOV 29...	1115	134.09	JUN 08...	1015	133.57
JAN 25...	1055	134.96	AUG 03...	1045	135.06
MAR 19...	1125	134.68	SEP 11...	1200	134.42

WELL NUMBER.--280719081543301. Local Number 807-154-433A. State Highway 33 and Combee Road Shallow Well near Lakeland, FL.

LOCATION.--Lat 28°07'06", long 81°54'31", in SW¼NE¼SE¼ sec.21, T.27 S., R.24 E., Hydrologic Unit 03100101, at the intersection of State Highway 33 and Combee Road, 1.5 mi southwest of Interstate Highway 4, and 7.3 mi northeast of Lakeland.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 120 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 1.25 in, depth 9 ft, cased to 8 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 136.45 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1955 to September 1977 (thrice yearly); October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.76 ft NGVD, Sept. 18, 1979; well observed dry Nov. 16, 1964.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 11...	1012	134.91	MAY 15...	1210	134.90
NOV 29...	1105	134.80	JUN 08...	1016	134.71
JAN 25...	1055	135.82	AUG 03...	1045	135.85
MAR 19...	1125	135.79	SEP 11...	1200	136.18

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--280829081535301. Local Number 808-153-311. State Highway 33 at Interstate Highway 4 Deep Well near Polk City, FL.

LOCATION.--Lat 28°08'29", long 81°53'53", in SE¼NE¼NW¼ sec.15, T.27 S., R.24 E., Hydrologic Unit 03100208, on west side of State Highway 33, 75 ft north of Interstate Highway 4, and 5.6 mi southwest of Polk City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 93 ft, cased to 55 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.20 ft above land-surface datum.

DATUM.--Land-surface datum is 137.36 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1956 to February 1960 (bimonthly); January 1962 to September 1965 (semiannually); January 1966 to September 1974 (thrice yearly); January 1975 to current year (bimonthly), incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 129.13 ft NGVD, Sept. 18, 1979; lowest measured, 109.74 ft NGVD, Apr. 28, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
11...	1003	123.79	15...	1340	123.76
NOV			JUN		
29...	1105	124.84	08...	1010	123.01
JAN			AUG		
25...	1045	126.40	03...	1035	126.27
MAR			SEP		
19...	1115	125.61	11...	1245	126.27

WELL NUMBER.--281008081441801. Local Number 810-144-432. Lake Alfred Deep Well near Lake Alfred, FL.

LOCATION.--Lat 28°10'08", long 81°44'18", in SW¼NW¼NW¼ sec.5, T.27 S., R.26 E., Hydrologic Unit 03100208, on west side of Pit Road, 100 ft north of intersection with State Highway 557, 1.2 mi south of Interstate Highway 4, and 5.0 mi north of Lake Alfred.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 425 ft, cased to 102 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.25 ft above land-surface datum.

DATUM.--Land-surface datum is 137.38 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1959 to November 1960 (monthly), December 1960 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 131.07 ft NGVD Nov. 3, 1960; lowest, 119.85 ft NGVD, May 3, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	127.55	127.19	128.72	128.73	128.98	129.24	128.47	126.09	127.79	128.98	129.28	128.87
10	127.07	128.60	128.68	129.22	127.81	129.07	129.32	125.99	126.20	129.13	129.35	129.08
15	128.78	128.78	128.98	129.28	128.97	128.87	129.22	126.46	125.91	129.00	129.28	128.36
20	129.21	128.78	129.17	129.33	129.20	128.91	129.08	125.74	128.04	129.02	129.13	128.34
25	129.18	128.81	128.84	129.48	129.44	128.79	128.30	126.87	128.54	129.17	129.08	128.5[illegible]
EOM	128.96	128.79	126.74	129.26	129.43	128.50	127.06	128.09	128.50	129.27	129.10	128.66
MAX	129.29	128.93	129.17	129.48	129.57	129.28	129.32	128.09	128.56	129.27	129.40	129.08

WTR YR 1984 MAX 129.57

POLK COUNTY

WELL NUMBER.--281008081441802. Local Number 810-144-432A. Lake Alfred Shallow Well near Lake Alfred, FL.

LOCATION.--Lat 28°10'08", long 81°44'18", in SW¼NW¼NW¼ sec.5, T.27 S., R.26 E., Hydrologic Unit 03100208, on west side of Pit Road, 100 ft north of intersection with State Highway 557, 1.2 mi south of Interstate Highway 4, and 5.0 mi north of Lake Alfred.

AQUIFER.--Nonartesian sand aquifer of the Tertiary Quaternary Age, Geologic Unit 111 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 9 ft, cased to 6 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.40 ft above land-surface datum.

DATUM.--Land-surface datum is 137.25 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1960 to September 1977 (monthly); October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.88 ft NGVD, Oct. 31, 1960; well observed dry on numerous visits.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			APR		
11...	0850	131.87	30...	1055	131.42
NOV			MAY		
29...	--	131.93	18...	1135	131.55
29...	0800	132.01	JUN		
DEC			01...	0900	131.50
29...	1531	133.24	07...	0952	131.19
JAN			29...	0910	132.63
25...	0800	132.79	JUL		
31...	0900	132.60	31...	0900	133.35
FEB			AUG		
28...	0835	133.19	03...	0724	133.71
MAR			31...	0945	133.05
19...	0850	132.63	SEP		
30...	0950	132.07	11...	1455	132.49

WELL NUMBER.--281051081362501. USGS Observation Well P47 near Davenport, FL.

LOCATION.--Lat 28°10'51", long 81°36'25", in SW¼NW¼ sec.34, T.26 S., R.27 E., Hydrologic Unit 03090101, 0.5 mi west of Holly Hill Road, and 1.7 mi northwest of intersection State Highway 547 and Holly Hill Road in Davenport.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 67 ft, cased to 60 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.89 ft above land-surface datum. Prior to Oct. 1, 1979, top of casing, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 156.50 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1948 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 116.05 ft NGVD, Sept. 22, 1960; lowest, 106.01 ft NGVD, June 2, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	109.66	109.16	108.76	108.68	108.75	108.86	108.69	108.76	108.69	108.62	109.13	109.65
10	109.55	109.08	108.70	108.72	108.66	108.86	108.77	108.69	108.65	108.73	109.18	109.73
15	109.45	108.99	108.67	108.72	108.61	108.82	108.83	108.65	108.58	108.81	109.28	109.77
20	109.36	108.92	108.63	108.73	108.73	108.81	108.86	108.60	108.58	108.90	109.37	109.74
25	109.30	108.86	108.61	108.76	108.77	108.76	108.88	108.56	108.58	108.96	109.44	109.65
EOM	109.22	108.80	108.58	108.77	108.81	108.71	108.82	108.61	108.57	109.06	109.56	109.55
MAX	109.72	109.20	108.79	108.77	108.81	108.87	108.88	108.81	108.69	109.06	109.56	109.77

WTR YR 1984 HIGH 109.77 SEP 15 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

POLK COUNTY

WELL NUMBER.--281057081495002. Local Number Polk 810-149-03. Polk City ROMP 76A Well near Polk City, FL.

LOCATION.--Lat 28°10'57", long 81°49'50", in NW¼SW¼NE¼ sec.32, T.26 S., R.25 E., Hydrologic Unit 03100208, in pasture at end of Pine Avenue, 0.3 mi north of State Highway 33 in Polk City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 315 ft, cased to 264 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.40 ft above land-surface datum.

DATUM.--Land-surface datum is 136.79 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 132.29 ft NGVD, Oct. 3, 1979; lowest, 119.37 ft NGVD, May 16, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	128.09	127.36	129.31	129.37	129.65	130.21	129.26	126.46	128.25	129.35	130.36	130.17
10	127.60	129.37	129.28	129.83	128.46	129.82	130.27	127.50	125.79	129.63	130.48	130.37
15	129.54	129.70	129.61	129.90	129.64	129.67	130.14	126.52	126.02	129.63	130.46	129.54
20	130.[illegible]	129.65	129.89	130.23	129.94	129.46	129.76	125.89	127.13	129.67	130.31	129.37
25	130.13	129.73	129.63	130.37	130.25	129.14	128.80	127.35	128.52	129.18	130.30	129.50
EOM	129.73	129.49	127.57	130.11	130.38	128.86	127.37	128.65	128.54	130.16	130.33	129.60
MAX	130.19	129.78	129.93	130.37	130.46	130.25	130.27	128.65	128.62	130.16	130.55	130.37

CAL YR 1983 MAX 131.67
WTR YR 1984 MAX 130.55

WELL NUMBER.--281312082011601. ROMP 87 near Lakeland, FL.

LOCATION.--Lat 28°13'12", long 82°01'25", in SE¼NE¼SE¼ sec.17, T.26 S., R.23 E., Hydrologic Unit 03100208, 2.35 mi northwest of intersection of U.S. Highway 98 and Rock Ridge Road, and 14.5 mi northwest of Lakeland.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 6 in, depth 380 ft, cased to 300 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.86 ft above land-surface datum.

DATUM.--Land-surface datum is 107.52 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 105.40 ft NGVD, Mar. 31, 1983; lowest, 97.12 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	103.67	102.92	103.08	104.63	104.22	104.66	104.25	102.98	103.28	103.67	104.13	103.81
10	103.23	103.03	103.23	104.51	103.81	104.23	104.62	103.16	---	103.87	104.73	103.87
15	103.71	102.76	103.73	104.71	104.22	104.31	104.59	103.11	---	103.77	104.60	103.33
20	103.86	102.72	104.11	104.75	104.20	104.09	104.44	102.58	---	103.85	104.18	103.31
25	103.69	103.21	104.07	104.84	104.71	103.88	103.96	103.42	102.27	103.96	104.59	102.90
EOM	103.17	103.24	104.35	104.41	104.74	103.82	103.42	103.84	102.50	104.23	104.40	103.36
MAX	103.96	103.33	104.35	104.88	104.80	104.74	104.65	103.92	---	104.25	104.76	104.27

CAL YR 1983 MAX 105.40

WELL NUMBER.--281532081345001. Loughman Deep Well near Loughman, FL.

LOCATION.--Lat 28°15'32", long 81°34'50", in NW¼NE¼ sec.2, T.26 S., R.27 E., Hydrologic Unit 03090101, 10 ft south of Lake Wilson Road, 0.6 mi east of State Highway 545, and 1.6 mi northwest of Loughman.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 250 ft, cased to 85 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.72 ft above land-surface datum. Prior to Oct. 1, 1979, top of 6 in nipple, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 104.29 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1960 to November 1970 (quarterly); December 1970 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 93.23 ft NGVD, Oct. 1, 1979; lowest, 88.60 ft NGVD, May 20, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	91.80	91.89	91.70	92.02	91.80	91.86	92.15	91.79	91.53	92.17	92.20	91.86
10	91.84	91.86	91.55	91.97	91.63	91.76	92.66	91.82	91.44	92.16	92.25	92.07
15	92.12	91.73	91.68	91.96	91.70	91.58	92.59	91.48	91.38	92.18	92.13	91.82
20	92.13	91.81	91.77	92.03	91.72	91.58	92.30	91.66	91.62	92.25	92.13	91.72
25	92.17	91.80	91.68	91.98	91.87	91.60	92.18	91.77	91.54	92.25	92.16	91.55
EOM	92.03	91.68	91.70	91.85	91.79	91.47	92.01	91.76	91.60	92.29	91.95	91.84
MAX	92.22	91.91	91.83	92.07	91.96	91.86	92.66	91.95	91.72	92.29	92.28	92.09

WTR YR 1984 HIGH 92.66 APR 10

WELL NUMBER.--281532081345002. Loughman Shallow Well near Loughman, FL.

LOCATION.--Lat 28°15'32", long 81°34'50", in NW¼NE¼ sec.2, T.26 S., R.27 E., Hydrologic Unit 03090101, 10 ft south of Lake Wilson Road, 0.6 mi east of State Highway 545, and 1.6 mi northwest of Loughman.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 32 ft, cased to 29 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of nipple, 2.70 ft above land-surface datum.

DATUM.--Land-surface datum is 104.29 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1967 to September 1968 (thrice yearly); April 1969 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.06 ft NGVD, Aug. 5, 1982; lowest measured, 89.65 ft NGVD, May 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
06...	0845	92.38	02...	0900	93.10
DEC			JUN		
16...	0714	92.08	04...	1025	92.40
JAN			AUG		
05...	1100	92.48	09...	1922	92.00
FEB			SEP		
16...	1100	92.23	06...	1417	92.74
MAR					
08...	0935	92.46			
28...	0947	92.18			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

POLK

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
273903081185201	73911801 33S30E06 USAF AVON PARK #1	27 39 11	081 21 08	01	84-05-16	70.99
273924081213601	73912102 32S30E30 AVON PARK PRISON	27 39 24	081 21 36	01	84-05-16	71.55
					84-09-14	76.85
273959081215601	73912101 32S30E30 USAF AVON PARK #2	27 39 59	081 21 56	01	84-05-16	72.84
274353081415001	CW ADAMS IRR WELL NR FT. MEADE	27 43 53	081 41 50	01	84-05-15	58.77
					84-09-11	68.40
274356081535501	OLD BREWSTER PD WELL NR BREWSTER	27 43 56	081 53 55	01	84-05-16	58.27
					84-09-11	67.54
274409081452201	MOBIL CHEMICAL #5 NR FT MEADE,FL	27 40 09	081 45 22	01	84-05-15	56.36
					84-09-11	66.47
274440081314801	COLEY WELL AT FROSTPROOF,FL.	27 44 40	081 31 48	01	84-05-15	70.94
					84-09-11	85.36
274530081404501	W.M. KELLY IRR WELL NR LK. BUFFUM	27 45 30	081 40 45	01	84-05-15	62.00
					84-09-11	71.60
274543081595701	H.B. PEARCE IRR WELL NR BREWSTER	27 45 43	081 59 57	01	84-09-11	59.06
274841081480901	V. C. CORP OFFICE WELL AT HOMELAND	27 48 41	081 48 09	01	84-05-16	56.43
					84-09-11	65.84
274910081452201	LAKE GARFIELD NURSERIES IRR WELL	27 49 10	081 45 22	01	84-05-16	58.66
					84-09-11	77.12
275016081370401	O.T. BRYAN IRR WELL	27 50 16	081 37 04	01	84-05-15	85.75
					84-09-11	94.22
275137081252501	751125-- 30S29E21 E. LK. WALES UTILITY	27 51 37	081 25 25	01	84-05-17	73.38
					84-09-13	82.08
275326081341201	FLA UTILITIES D. WELL AT LAKE WALES	27 53 26	081 34 12	01	84-05-14	95.07
					84-09-10	98.68
275337081552801	C.F. INDUSTRIES SR 60 WELL NR MULBERRY	27 53 37	081 55 28	01	84-05-16	58.11
					84-09-11	67.52
275403081391301	SR 60 D. WELL NR LAKE WALES	27 54 03	081 39 13	01	84-05-14	93.99
					84-09-10	101.97
275455081341801	W.I. ROPER IRR WELL AT LAKE WALES	27 54 55	081 34 18	01	84-09-10	101.02
275620081355901	1212	27 56 20	081 35 59	01	84-05-14	88.20
					84-09-10	103.33
275622081252301	756125 29S29E28 L. ROSALIE NW	27 56 22	081 25 23	01	84-05-17	57.52
					84-09-13	60.45
275629081553201	ROGERS IRR WELL NR LAKELAND	27 56 29	081 55 32	01	84-05-16	66.05
					84-09-11	65.38
275924081594601	F.P. BUNCH IRR WELL NR LAKELAND	27 59 24	081 59 46	01	84-05-16	70.25
					84-09-11	75.67
280153081274101	801127-- 28S29E19 LK HATCHI NR HAINES CITY	28 01 53	081 27 41	01	84-05-16	67.09
					84-09-13	69.59
280420081570101	LAKELAND STADIUM WELL AT LAKELAND	28 04 20	081 57 01	01	84-05-15	91.73
					84-09-11	97.30
280455082021501	PLANT CITY QUAD	28 04 55	082 02 15	01	84-05-15	95.92
					84-09-11	99.71
280558081314801	805131-- 27S28E29 KIMBELL WELL NR LK MARION	28 05 58	081 31 48	01	84-05-16	70.44
					84-09-13	72.75
281058081364201	P.E. WILLIAMS WELL NEAR DAVENPORT, FL	28 10 58	081 36 42	01	84-05-16	109.17
					84-09-13	109.69
281058081495002	USGS 1.75" DRILL PIPE INNER MONITOR AT POLK CITY	28 10 58	081 49 50	02	84-05-15	126.55
					84-09-11	130.33
281058081495003	USGS 4" ANNULAR MONITOR AT POLK CITY	28 10 58	081 49 50	03	84-05-21	126.33
					84-09-11	129.62
281058081495004	USGS CORE HOLE 2 AT POLK CITY	28 10 58	081 49 50	04	84-05-21	122.90
					84-09-11	129.40

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

POLK

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
281202081391701	PO-1 THORNHILL DEEP NR DAVENPORT	28 12 02	081 38 47	01	84-09-12	126.45
281317081491301	813149423 26S25E16	28 13 17	081 49 13	01	84-05-18	124.80
					84-09-11	128.17
281440081431701	814143232 26S26E04	28 14 40	081 43 17	01	84-05-21	126.34
					84-09-12	128.53
281511081393101	815139342 26S26E01	28 15 11	081 39 31	01	84-05-18	121.19
					84-09-12	122.66
281532081493001	815149233 25S25E32	28 15 32	081 49 30	01	84-05-18	123.77
					84-09-11	126.11
281631081564501	SPEARS WELL NR ROCK RIDGE	28 16 31	081 56 45	01	84-05-15	105.21
					84-09-11	106.59

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

POLK COUNTY

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	TEMPER-ATURE (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
273911082005001 - AGRICO 2-INCH TEST WELL NR FT GREEN, FL (LAT 27 39 11 LONG 082 00 50)					
FEB , 1984					
09...	1430	420	411	23.0	12
275314081514201 - ROMP 59 AVON PARK WELL AT BARTOW, FL (LAT 27 53 14 LONG 081 51 42)					
OCT , 1983					
03...	1658	3000	2930	24.0	80
DEC					
21...	1117	3050	3000	21.5	80
MAR , 1984					
26...	1000	3200	3000	21.5	88
JUN					
06...	1515	3000	2970	24.0	80
AUG					
07...	1145	4200	4420	24.5	--
275353081503301 - BARTOW CITY NO.1 AT BARTOW,FL (LAT 27 53 53 LONG 081 50 33)					
OCT , 1983					
31...	1600	630	--	25.5	--

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 17

SARASOTA COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	265712082205701	288	9	271134082092201	302
1	265712082205702	289	9	271134082092202	302
2	265809082194001	289	9A	271227082084801	303
3	265834082202401	290	10	271601082330501	303
3	265834082202402	290	11	271619082240201	304
4	270036082213401	291	12	271938082251801	304
4	270106082214101	291	13	272020082194801	305
5	270112082213301	292	14	272049082324401	305
5	270112082213302	292	14	272053082320202	306
6	270113082223302	293	16	272106082321801	306
6	270113082223303	293	16	272119082325101	307
6	270137082235301	294	16	272120082322702	307
6A	270240082235701	294	16A	272133082324701	308
7	270542082261801	295	17	272220082151401	308
7C	270808082270502	296	18	272242082235501	309
7C	270808082270503	296	19	272248082175201	309
7A	270952082095901	297	20	272255082172202	310
7A	270959082203001	298	21	272257082180202	310
7A	270959082203002	298	21	272258082181701	311
7A	270959082203003	299	22	272258082195301	312
7B	271021082151601	300	22	272258082195302	312
7B	271021082151602	300	23	272301082191401	313
7B	271021082151603	301	25	272308082161801	313
8	271118082285301	301	26	272510082345701	314

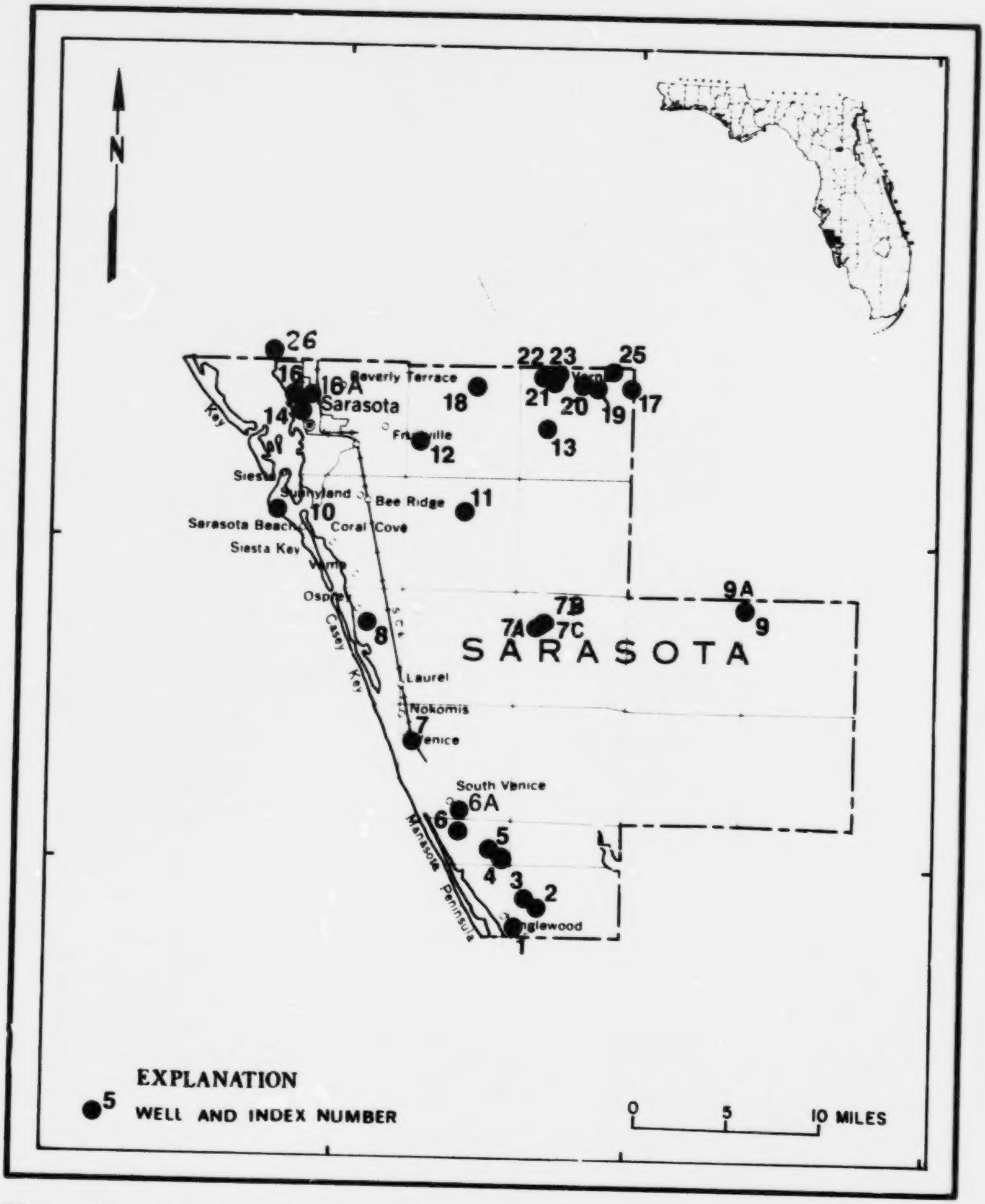
N
26
16
16A
Beverly Terrace
Sarasota
14
18
22 23
25
Vern
21
20
19
17
13
Fruitville
12
Key
Siesta
Sunnyland
Bee Ridge
11
Sarasota Beach
10
Coral Cove
Siesta Key
Vamo
Osprey
8
Casey
Key
SCL
9A
9
7B
7A
7C
SARASOTA
Laurel
Nokomis
7
Venice
South Venice
6A
6
5
4
3
2
Manasota
Peninsula
Englewood
1
EXPLANATION
5
WELL AND INDEX NUMBER
0
5
10 MILES

Figure 17. Location of wells in Sarasota County

WELL DESCRIPTIONS ANL WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--265712082205701. Englewood Water District Well R-2 at Englewood, FL.

LOCATION.--Lat 26°57'12", long 82 20'57", in NE¼SW¼ sec.31, T.40 S., R.20 E., Hydrologic Unit 03100201, at water plant, 0.25 mi east of State Highway 775, and 0.5 mi north of Charlotte County line at Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 110 ft, cased to 51 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.57 ft above land-surface datum.

DATUM.--Land-surface datum is 12.40 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 11 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--December 1974 to October 1976 (weekly), incomplete; November 1976 to current year, incomplete. Records of water levels prior to October 1976 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +1.40 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.56 ft NGVD, Sept. 24, 1983; lowest water level measured, 3.39 ft below NGVD, Apr. 26, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.74	8.88	8.82	8.84	8.22	8.12	8.69	7.56	7.10	6.65	8.53	7.43
10	9.62	9.89	8.57	8.81	7.97	7.81	9.17	7.43	6.64	6.92	8.08	7.38
15	10.52	9.26	9.95	8.61	8.09	9.11	8.96	6.96	7.53	7.66	8.42	7.13
20	9.95	9.64	9.35	8.68	7.80	8.61	8.55	6.79	7.60	7.71	8.06	7.95
25	10.01	9.40	8.95	8.39	8.29	8.99	8.26	7.27	7.06	7.42	8.34	7.61
EOM	9.18	9.04	9.31	8.24	8.51	8.41	7.45	7.79	6.89	8.59	7.66	7.23
MAX	10.52	10.15	9.95	9.17	8.60	9.25	9.17	7.93	7.83	8.64	8.60	7.99

WTR YR 1984 HIGH 10.52 OCT 15

SARASOTA COUNTY

WELL NUMBER.--265712082205702. Englewood Water Plant Shallow Well at Englewood, FL.

LOCATION.--Lat 26°57'12", long 82°20'57", in NE¼SW¼ sec.31, T.40 S., R.20 E., Hydrologic Unit 03100201, at water plant, 0.25 mi east of State Highway 775, and 0.5 mi north of Charlotte County line at Englewood.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 17 ft, cased to 7 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of shelter floor, 2.47 ft above land-surface datum. Prior to Mar. 20, 1980, top of recorder shelter floor, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 12.53 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Prior to Oct. 1, 1977, land-surface datum was considered to be 11 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--May 1974 to September 1981, incomplete; October 1981 to current year (bimonthly), incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +1.53 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.28 ft NGVD, Aug. 5, 10, 1974; lowest, 3.83 ft NGVD, May 31, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0946	10.90	03...	1007	9.67
DEC			JUN		
14...	0927	10.80	06...	0947	8.60
FEB			AUG		
16...	1013	9.57	08...	1349	9.59

WELL NUMBER.--265809082194001. Englewood Water District Well TH 6 near Englewood, FL.

LOCATION.--Lat 26°58'09", long 82°19'40", in SW¼NW¼ sec.29, T.40 S., R.20 E., Hydrologic Unit 03100201, 50 ft south of State Highway 777, 1.1 mi east of Godfrey Creek, and 1.7 mi east of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 65 ft, cased to 45 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 11.22 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 12 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1971 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.72 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.30 ft (estimated), NGVD, Aug. 19, 1982; lowest, 2.85 ft NGVD, May 5, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.63	9.59	9.82	10.10	9.44	9.30	10.10	8.71	7.83	7.87	9.70	8.74
10	10.41	10.77	9.44	10.14	8.97	9.08	10.52	8.57	7.65	8.04	9.22	8.63
15	10.92	10.25	10.79	9.90	9.33	10.58	10.34	8.03	8.11	8.73	9.48	8.29
20	10.67	10.50	10.71	9.85	8.88	9.95	9.99	7.92	8.70	8.67	8.82	9.27
25	10.82	10.44	10.30	9.53	9.60	10.54	9.39	8.03	8.40	8.26	9.86	8.70
EOM	10.00	10.11	10.50	9.30	10.00	9.63	9.02	8.05	8.00	9.51	9.04	8.48
MAX	10.92	10.79	10.86	10.40	10.00	10.67	10.52	8.96	8.80	9.51	9.86	9.29

WTR YR 1984 HIGH 10.92 OCT 15

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--265834082202401. Englewood Water District Well 14 near Englewood, FL.

LOCATION.--Lat 26°58'34", long 82°20'24", in NE¼NE¼ sec.30, T.40 S., R.20 E., Hydrologic Unit 03100201, 1.0 mi north of State Highway 777, and 2.0 mi northeast of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 55 ft, cased to 43.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.82 ft above land-surface datum. Prior to Jan. 17, 1979, top of recorder shelter floor, 2.88 ft above land-surface datum.

DATUM.--Land-surface datum is 10.72 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 10 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April 1971 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.72 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.37 ft NGVD, Sept. 5, 1974; lowest, 0.39 ft below NGVD, Apr. 15, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTCBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.97	7.83	7.74	8.21	7.10	7.10	7.78	6.44	5.46	5.26	6.98	5.92
10	9.03	8.99	7.26	8.41	6.73	6.74	8.49	6.18	5.19	5.14	6.67	5.74
15	9.43	8.33	9.23	7.80	6.84	8.52	8.28	5.89	5.75	5.77	6.49	5.50
20	9.09	8.84	9.02	7.65	6.47	7.70	7.69	5.59	6.30	5.86	6.07	6.39
25	9.22	8.58	8.52	7.21	7.20	8.33	7.14	5.70	5.89	5.50	6.98	5.97
EOM	8.27	8.13	8.78	7.03	7.71	7.31	6.81	5.95	5.51	6.82	6.25	5.64
MAX	9.43	9.09	9.23	8.61	7.91	8.73	8.49	6.75	6.37	6.82	7.17	6.39

WTR YR 1984 HIGH 9.43 OCT 15

WELL NUMBER.--265834082202402. Englewood Water District Well 14A near Englewood, FL.

LOCATION.--Lat 26°58'34", long 82°20'24", in NE¼NE¼ sec.30, T.40 S., R.20 E., Hydrologic Unit 03100201, 1.0 mi north of State Highway 777, and 2.0 mi northeast of Englewood.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in (corrected), depth 20 ft, cased to 10 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in male adapter, 0.17 ft above land-surface datum. Prior to Sept. 7, 1979, top of casing, 3.0 ft above land-surface datum; Sept. 7, 1979, to May 6, 1980, top of broken casing, 0.7 ft above land-surface datum; May 6, 1980, to July 30, 1980, top of broken casing, 0.3 ft above land-surface datum; July 30, 1980, to Apr. 24, 1981, top of broken casing, at land-surface datum; Apr. 24, 1981, to Sept. 24, 1981, top of shelter floor, 1.27 ft above land-surface datum.

DATUM.--Land-surface datum is 10.60 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980. land-surface datum was considered to be 10 ft, from topographic map. See PERIOD OF RECORD.

PERIOD OF RECORD.--October 1977 to current year (bimonthly), incomplete. The figures of water level as elevation in feet, NGVD prior Oct. 1, 1980, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.60 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.81 ft NGVD, Aug. 5, 1983; lowest measured, 1.42 ft NGVD, July 30, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	0905	10.38	APR 03...	0930	8.32
DEC 14...	0850	10.48	JUN 06...	0926	6.40
FEB 16...	0935	7.89	AUG 08...	1319	7.79

SARASOTA COUNTY

WELL NUMBER.--270036082213401. Englewood Test Well C-10 near Englewood, FL.

LOCATION.--Lat 27°00'36", long 82°21'34", in NW¼SW¼ sec.12, T.40 S., R.19 E., Hydrologic Unit 03100201, 1.4 mi east of State Highway 775, and 3.8 mi north of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 70 ft, cased to 41.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 15.93 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum considered to be 12 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--August 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1979, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +3.93 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.98 ft NGVD, Oct. 16 1983; lowest, 6.44 ft NGVD, Apr. 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.10	12.23	12.92	12.94	11.96	12.31	12.55	11.17	10.52	9.76	12.07	10.41
10	12.40	13.58	12.28	12.63	11.77	11.80	13.40	11.08	9.96	9.51	11.94	10.77
15	13.92	12.97	13.82	12.80	11.82	13.33	12.80	10.21	10.27	11.16	11.55	10.35
20	13.51	12.67	13.38	12.64	11.43	12.40	12.28	9.67	11.17	11.13	11.22	11.30
25	13.69	13.32	13.05	12.28	12.64	12.94	11.95	10.65	10.79	10.63	11.91	10.66
EOM	12.65	13.26	13.39	11.85	13.31	11.84	11.23	11.24	9.75	12.17	10.68	10.24
MAX	13.98	13.66	13.82	13.43	13.39	13.39	13.40	11.45	11.79	12.17	12.36	11.69

WTR YR 1984 HIGH 13.98 OCT 16

WELL NUMBER.--270106082214101. Englewood Deep Zone Well 3 near Englewood, FL.

LOCATION.--Lat 27°01'06", long 82°21'41", in NE¼NW¼ sec.12, T.40 S., R.19 E., Hydrologic Unit 03100201, 2.2 mi south of U. S. Highway 41, 2.6 mi east of State Highway 775, and 3.9 mi north of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 135 ft, cased to 109 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.00 ft above land-surface datum.

DATUM.--Land-surface datum is 14.36 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--September 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.39 ft NGVD, Sept. 30, 1979; lowest, 10.98 ft NGVD, June 4, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.08	13.33	13.30	13.17	12.73	12.52	12.53	12.42	13.00	12.86	13.84	13.57
10	13.05	13.56	13.10	13.22	12.59	12.88	12.80	12.98	12.84	12.91	13.89	13.70
15	13.77	13.47	13.51	13.35	12.62	12.60	12.74	12.92	12.83	13.25	13.74	13.57
20	13.70	13.69	13.21	13.32	12.22	12.40	12.31	12.77	13.21	13.49	13.74	13.92
25	13.82	13.48	13.38	13.18	12.53	12.47	12.22	12.83	13.18	13.40	13.70	13.89
EOM	13.57	13.51	12.96	12.91	12.67	12.17	11.72	13.16	12.90	13.84	13.62	13.75
MAX	13.91	13.84	13.68	13.41	13.07	13.08	12.85	13.16	13.24	13.86	13.94	13.95

WTR YR 1984 HIGH 13.95 SEP 21

SARASOTA COUNTY

WELL NUMBER.--270112082213301. Englewood Production Zone Well 8 near Englewood, FL.

LOCATION.--Lat 27°01'12", long 82°21'33", in NW¼NE¼ sec.12, T.40 S., R.19 E., Hydrologic Unit 03100201, 2.0 mi east of State Highway 775, 2.2 mi south of U. S. Highway 41, and 3.9 mi north of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 70 ft, cased to 58 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.29 ft above land-surface datum.

DATUM.--Land-surface datum is 14.20 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--August 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.46 ft NGVD, Oct. 16, 1983; lowest, 10.76 ft below NGVD, May 14, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.30	10.83	11.10	11.44	9.50	10.14	10.60	8.89	7.93	6.86	9.84	3.28
10	11.09	12.29	10.54	10.93	9.71	9.53	12.25	9.02	7.23	5.39	9.79	8.00
15	13.26	11.57	12.85	11.08	9.62	11.89	11.27	7.35	7.56	8.15	8.97	7.33
20	12.56	11.36	11.91	10.90	8.62	10.56	10.30	6.23	8.12	8.64	9.02	8.50
25	12.59	11.83	11.51	10.59	10.28	10.98	10.24	8.10	7.98	7.69	10.00	7.97
EOM	11.40	11.65	12.20	9.95	11.33	9.67	8.99	8.88	6.21	9.77	6.89	7.27
MAX	13.46	12.58	12.95	11.90	11.39	11.96	12.25	9.36	8.79	9.77	10.12	9.47

WTR YR 1984 HIGH 13.46 OCT 16

WELL NUMBER.--270112082213302. Englewood Water Table Well 8A near Englewood, FL.

LOCATION.--Lat 27°01'12", long 82°21'33", in NW¼NE¼ sec.12, T.40 S., R.19 E., Hydrologic Unit 03100201, 2.0 mi east of State Highway 775, 2.2 mi south of U. S. Highway 41, and 3.9 mi north of Englewood.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 25 ft, cased to 20 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.50 ft above land-surface datum. Prior to Apr. 1, 1982, top of recorder shelter floor, 3.08 ft above land-surface datum.

DATUM.--Land-surface datum is 14.19 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.59 ft NGVD, Sept. 8, 1981; lowest, 1.83 ft NGVD, Sept. 13, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.25	10.89	11.13	11.32	9.48	9.97	10.40	8.96	7.93	6.52	9.30	3.50
10	11.29	12.47	10.62	10.87	9.58	9.40	12.14	8.89	7.27	5.56	9.20	7.10
15	13.35	11.57	13.00	11.00	9.38	11.82	11.23	7.51	7.56	7.66	8.60	6.96
20	12.50	11.35	12.14	10.77	8.58	10.44	10.32	6.54	8.10	8.18	8.30	7.86
25	12.74	11.79	11.61	10.48	9.94	10.82	10.10	8.12	7.95	7.49	9.40	7.50
EOM	11.45	11.59	11.98	9.82	10.95	9.54	9.05	8.91	6.30	9.40	6.60	7.00
MAX	13.54	12.73	13.02	12.01	11.01	11.82	12.14	9.28	8.61	9.40	9.60	8.80

WTR YR 1984 HIGH 13.54 OCT 16

NOTE: Record estimated July 26 to Sept. 12, Sept. 22-30.

WELL NUMBER.--270113082223302. Englewood Production Zone Well 5 near Englewood, FL.

LOCATION.--Lat 27°01'13", long 82°22'33", in NW¼NE¼ sec.11, T.40 S., R.19 E., Hydrologic Unit 03100201, 0.9 mi east of State Highway 775, 2.0 mi south of U. S. Highway 41, and 3.9 mi north of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 70 ft, cased to 40 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.27 ft above land-surface datum.

DATUM.--Land-surface datum is 13.88 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--August 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.00 ft NGVD, Oct. 16, 1983; lowest, 4.63 ft NGVD, Apr. 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.04	11.40	11.78	12.00	11.15	11.50	11.63	10.48	9.82	9.02	11.49	10.97
10	11.58	12.38	11.43	11.79	10.94	11.03	12.19	10.26	9.28	8.74	11.54	10.93
15	12.92	12.07	12.69	11.89	10.93	12.34	12.00	9.58	9.54	10.12	11.14	10.28
20	12.56	11.76	12.41	11.79	10.75	11.65	11.71	9.22	10.22	10.31	10.77	11.18
25	12.56	12.27	12.09	11.38	11.87	12.10	11.24	9.81	9.84	10.08	11.26	10.71
EOM	11.67	12.20	12.32	11.05	12.39	11.21	10.56	10.49	9.09	11.57	10.56	10.22
MAX	13.00	12.46	12.72	12.36	12.39	12.37	12.33	10.63	10.47	11.57	11.75	11.42

WTR YR 1984 HIGH 13.00 OCT 16

WELL NUMBER.--270113082223303. Englewood Water Table Well 5 near Englewood, FL.

LOCATION.--Lat 27°01'13", long 82°22'33", in NW¼NE¼ sec.11, T.40 S., R.19 E., Hydrologic Unit 03100201, 1.0 mi east of State Highway 775, 2.0 mi south of U. S. Highway 41, and 3.9 mi north of Englewood.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 15 ft, cased to 10 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.99 ft above land-surface datum.

DATUM.--Land-surface datum is 14.34 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--January 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.50 ft (estimated), NGVD, Sept. 25, 1982; lowest, 8.68 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.48	12.59	13.24	13.30	12.81	13.21	13.52	11.89	11.26	10.72	13.23	13.12
10	13.82	13.61	12.70	13.63	12.22	12.65	13.74	11.83	10.90	10.78	12.64	12.23
15	13.85	13.36	13.82	13.25	12.46	13.62	13.72	11.28	11.88	12.61	12.26	11.49
20	13.46	13.70	13.55	13.11	12.09	13.19	13.31	11.00	12.00	11.91	11.63	13.36
25	13.49	13.57	13.30	12.78	13.34	13.55	12.64	12.05	11.41	12.73	12.39	12.06
EOM	12.55	13.56	13.57	12.44	13.56	12.81	12.22	11.91	10.96	13.47	11.42	11.71
MAX	13.86	13.76	13.82	13.63	13.80	13.89	13.87	12.64	12.62	13.71	13.53	13.36

WTR YR 1984 HIGH 13.89 MAR 13

SARASOTA COUNTY

WELL NUMBER.--270137082235301. Manasota Deep Well 14 near Englewood, FL.

LOCATION.--Lat 27°01'37", long 82°23'53", in NW¼SW¼ sec.3, T.40 S., R.19 E., Hydrologic Unit 03100201, 100 ft west of State Highway 775, and 5.0 mi northwest of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 305 ft, cased to 263 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 10.60 ft above land-surface datum.

DATUM.--Land-surface datum is 15.92 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.70 ft NGVD, Nov. 30, 1971; lowest, 19.07 ft NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.62	21.37	21.28	21.04	21.00	20.69	20.79	20.62	20.16	20.53	21.46	21.36
10	21.60	21.59	21.05	21.23	20.66	20.48	20.93	20.40	20.34	20.69	21.46	21.39
15	21.55	21.42	21.38	21.11	20.84	20.67	21.00	20.23	20.46	20.95	21.34	21.33
20	21.56	21.36	21.17	21.19	20.79	20.97	20.76	19.96	20.63	21.06	21.39	21.46
25	21.49	21.34	20.98	21.18	20.83	20.90	20.71	20.09	20.68	21.09	21.30	21.38
EOM	21.28	21.31	20.86	21.05	20.78	20.72	20.58	20.29	20.52	21.41	21.28	21.25
MAX	21.63	21.62	21.38	21.26	21.08	21.11	21.00	20.72	20.69	21.41	21.49	21.46

WTR YR 1984 HIGH 21.63 OCT 6 AND OTHERS

WELL NUMBER.--270240082235701. ROMP TR 4-2 Suwannee Well near Venice, FL.

LOCATION.--27°02'40", long 82°23'57", in SW¼NW¼ sec.34, T.39 S., R.19 E., Hydrologic Unit 03100201, 0.2 mi east of State Highway 775, and 4.7 mi south of Venice.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 475 ft, cased to 460 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 11.60 ft above land-surface datum.

DATUM.--Land-surface datum is 15.69 ft National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District).

PERIOD OF RECORD.--September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.33 ft NGVD, Mar. 17, 1983; lowest, 21.49 ft NGVD, May 23, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.01	23.78	23.58	23.50	23.56	23.19	23.31	23.09	22.44	22.93	23.57	23.58
10	23.82	23.81	23.31	23.81	23.13	22.90	23.39	22.71	22.74	23.13	23.59	23.63
15	23.72	23.56	23.76	23.44	23.34	23.08	23.44	22.55	22.84	23.27	23.53	23.56
20	23.79	23.72	23.49	23.62	23.30	23.62	23.08	22.39	22.82	23.27	23.58	23.59
25	23.83	23.64	23.17	23.73	23.24	23.30	23.06	22.34	22.90	23.42	23.47	23.57
EOM	23.59	23.49	23.10	23.49	23.13	23.00	23.05	22.41	22.91	23.66	23.48	23.36
MAX	24.01	23.92	23.76	23.81	23.63	23.67	23.44	23.27	22.95	23.67	23.62	23.63

WTR YR 1984 HIGH 24.01 OCT 5

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--270542082261801. Venice Well 35 at Venice, FL.

LOCATION.--Lat 27°05'42", long 82°26'18", in SW¼SE¼ sec.7, T.39 S., R.19 E., Hydrologic Unit 03100201, 0.2 mi west of U. S. Highway 41, and 0.4 mi south of Venice.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 163 ft, cased to 86 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.17 ft above land-surface datum. Prior to July 25, 1980, top of recorder shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 13.28 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by tide. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1963 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.88 ft NGVD, Sept. 5, 1974; lowest, 2.42 ft below NGVD, Apr. 30, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.30	7.07	7.61	7.44	6.48	6.25	6.73	5.43	5.12	5.23	7.71	6.17
10	7.18	8.35	7.11	7.27	6.15	5.49	7.24	5.61	4.96	5.13	7.12	6.53
15	8.18	7.79	8.22	7.14	6.16	6.87	7.52	4.97	5.44	6.71	6.73	3.51
20	8.33	7.76	8.29	7.12	5.84	6.51	6.86	4.80	6.15	6.38	6.51	7.15
25	8.11	7.77	7.69	6.90	6.49	7.11	6.21	5.02	5.60	6.43	6.80	6.50
EOM	7.30	7.75	7.74	6.48	6.49	6.48	5.87	6.05	5.10	8.02	6.02	6.77
MAX	8.56	8.35	8.45	7.82	6.65	7.11	7.52	6.13	6.30	8.02	7.87	7.15

WTR YR 1984 HIGH 8.56 OCT 18

WELL NUMBER.--270808082270502. ROMP TR 5-1 Suwannee Well at Laurel, FL.

LOCATION.--Lat 27°08'08", long 82°27'05" in NE¼NE¼ sec.36, T.38 S., R.18 E., Hydrologic Unit 03100201, 0.25 mi east of U. S. Highway 41, and 0.5 mi southeast of Laurel.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 510 ft, cased to 492 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 11.10 ft above land-surface datum.

DATUM.--Land-surface datum is 11.62 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.00 ft NGVD, Sept. 21, 1983; lowest, 19.79 ft NGVD, May 23, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.94	22.48	22.45	22.47	22.57	21.98	21.88	21.11	20.18	21.02	22.41	22.04
10	22.52	22.65	22.31	22.76	21.97	21.52	21.88	20.61	20.26	21.14	22.38	22.06
15	22.70	22.34	22.75	22.59	22.15	21.72	22.02	20.27	20.56	21.69	22.35	22.52
20	22.73	22.54	22.60	22.72	21.95	22.15	21.64	19.98	20.84	21.85	22.28	22.51
25	22.77	22.55	22.27	22.81	21.99	21.99	21.56	19.92	20.96	22.06	22.23	22.30
EOM	22.30	22.39	22.15	22.57	21.92	21.68	21.38	20.28	20.82	22.51	22.16	21.89
MAX	22.94	22.68	22.75	22.89	22.67	22.22	22.02	21.39	20.96	22.51	22.54	22.75

WTR YR 1984 HIGH 22.94 OCT 5

WELL NUMBER.--270808082270503. ROMP TR 5-1 Hawthorn Well at Laurel, FL.

LOCATION.--Lat 27°08'08", long 82°27'05", in NE¼NE¼ sec.36, T.38 S., R.18 E., Hydrologic Unit 03100201, 0.25 mi east of U. S. Highway 41, and 0.5 mi southeast of Laurel.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 289 ft, cased to 275 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 14.63 ft above land-surface datum.

DATUM.--Land-surface datum is 11.62 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.40 ft NGVD, Sept. 21, 1983; lowest, 12.12 ft NGVD, May 22, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.72	15.31	15.74	15.81	15.99	15.31	15.32	13.83	13.26	13.94	15.75	14.06
10	15.05	16.10	15.55	16.05	14.84	14.83	15.32	13.60	13.30	13.79	15.28	14.28
15	16.09	15.64	16.12	16.12	15.51	15.22	15.36	12.39	13.77	15.11	15.25	13.89
20	15.79	15.83	16.17	16.17	15.22	15.35	15.11	12.91	14.56	14.98	14.93	15.14
25	16.03	15.92	15.76	16.01	15.50	15.49	14.77	12.75	14.30	15.15	15.12	14.84
EOM	15.06	15.74	15.72	15.90	15.36	15.05	14.48	14.05	13.33	15.70	14.71	14.54
MAX	16.24	16.10	16.20	16.19	15.99	15.53	15.43	14.15	14.56	15.89	15.85	15.52

WTR YR 1984 HIGH 16.24 OCT 17

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--270952082095901. Mabry Carlton Well 13 near Myakka City, FL.

LOCATION.----Lat 27°09'52", long 82°09'59", in SE¼SW¼ sec.13, T.38 S., R.21 E., Hydrologic Unit 03100102, 2.0 mi south of State Highway 72, and 12.5 mi southwest of Myakka City.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 6 in, depth 287 ft, cased to 65 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 12.15 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 30 ft from topographic map.

PERIOD OF RECORD.--May to September 1984.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 40.32 ft NGVD, Aug. 28; lowest, 28.18 ft NGVD, May 24, 1964.

ELEVATION (FEET NGVD), MAY TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---	37.28	37.95	39.25	40.10
10								---	37.00	38.06	39.47	39.85
15								---	37.43	38.15	39.43	39.62
20								---	37.67	38.44	39.37	39.55
25								31.67	37.88	38.72	40.14	39.40
EOM								36.66	37.87	39.03	40.25	39.19
MAX								---	37.90	39.03	40.32	40.23

WTR YR 1984 HIGH 40.32 AUG 28

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--270959082203001. ROMP 19 WLAM Well near Sarasota, FL.

LOCATION.--Lat 27°09'59", long 82°20'30", in SW¼SE¼ sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 425 ft, cased to 410 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 13.62 ft above land-surface datum. Prior to Nov. 10, 1982, top of casing, 12.47 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.04 ft NGVD, Jan. 27, 1984; lowest, 26.15 ft NGVD, May 28, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.62	31.68	31.83	32.45	32.70	31.04	30.23	29.01	26.60	28.85	31.69	31.71
10	32.33	31.56	31.83	32.67	31.97	30.71	30.12	28.15	26.86	29.37	31.95	31.56
15	32.09	31.46	32.23	32.65	31.60	30.4[illegible]	30.00	27.45	26.93	29.87	31.97	31.29
20	32.15	31.44	32.23	32.82	31.30	30.59	29.76	26.82	27.30	30.43	32.01	31.05
25	32.18	31.43	32.20	32.94	31.11	30.43	29.68	26.29	27.87	30.85	31.92	30.81
EOM	31.86	31.51	32.20	32.89	31.00	30.32	29.33	26.37	28.32	31.42	31.84	30.54
MAX	32.78	31.82	32.45	33.04	32.79	31.05	30.26	29.23	28.32	31.42	32.02	31.84

WTR YR 1984 HIGH 33.04 JAN 27

WELL NUMBER.--270959082203002. ROMP 19 WUAM Well near Sarasota, FL.

LOCATION.--Lat 27°09'59", long 82°20'30", in SW¼SE¼ sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 18 in, depth 205 ft, cased to 87 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 4 in casing, 12.47 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.70 ft (estimated) NGVD, Aug. 6-10, 1982; lowest, 14.00 ft (estimated) NGVD, July 1, 1981.

ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.32	18.28	18.32	18.54	18.62	18.40	18.45	18.10	17.36	17.20	17.70	17.95
10	18.31	18.38	18.30	18.63	18.41	18.26	18.50	17.90	17.22	17.25	17.77	17.98
15	18.35	18.34	18.53	18.51	18.46	18.38	18.40	17.84	17.21	17.31	17.80	18.01
20	18.38	18.40	18.49	18.53	18.42	18.51	18.60	17.68	17.28	17.39	17.85	18.13
25	18.38	18.[illegible]2	18.42	18.57	18.43	18.51	18.30	17.57	17.28	17.46	17.91	18.01
EOM	18.27	18.31	18.43	18.54	18.35	18.35	18.10	17.52	17.18	17.73	17.91	17.96
MAX	18.41	18.40	18.56	18.63	18.64	18.61	18.60	18.10	17.46	17.73	17.92	18.13

WTR YR 1984 HIGH 18.64 FEB 4

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--270959082203003. ROMP 19 WS Well near Sarasota, FL.

LOCATION.--Lat 27°09'59", long 82°20'30", in SW¼SE¼ sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 67 ft, cased to 32 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.90 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.55 ft NGVD, Aug. 21, 1981; lowest, 15.30 ft NGVD, Feb. 15, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.49	17.33	18.80	18.50	18.10	17.97	18.74	16.80	16.07	18.31	19.00	17.94
10	17.42	18.80	18.10	18.90	17.50	17.56	19.12	17.00	15.99	17.90	18.43	17.92
15	19.10	18.63	19.35	18.50	17.78	19.11	18.96	16.37	16.63	19.14	18.28	17.14
20	18.69	19.06	19.22	19.00	17.39	18.22	17.96	16.10	17.79	18.67	17.75	19.17
25	18.18	19.02	18.81	18.40	18.74	19.17	17.49	16.26	17.07	19.25	18.44	18.04
EOM	17.50	19.07	18.90	17.80	18.96	17.98	17.11	16.76	16.63	19.42	17.36	17.74
MAX	19.19	19.18	19.35	19.00	19.06	19.22	19.17	17.10	18.03	19.43	19.42	19.17

WTR YR 1984 HIGH 19.43 JUL 26

NOTE.--Record estimated Dec. 27 to Feb. 14, May 1-14.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--271021082151601. ROMP 19 ELAM Well near Sarasota, FL.

LOCATION.--Lat 27°10'21", long 82°15'16", in NE¼SE¼ sec.13, T.38 S., R.20 E., Hydrologic Unit 03100102, 2.5 mi south of State Highway 72, and 19 mi southeast of Sarasota.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 419 ft, cased to 410 ft (corrected)

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of coupling, 9.35 ft above land-surface datum. Prior to Nov. 10, 1982, top of casing, 9.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 31 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 40.19 ft NGVD, Jan. 27, 1984; lowest, 32.48 ft NGVD, June 3, 4, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.74	38.74	38.95	39.63	39.83	38.08	37.26	35.82	33.37	35.87	38.74	38.77
10	39.42	38.54	39.00	39.82	39.01	37.72	37.07	34.87	33.67	36.41	39.10	38.57
15	39.12	38.47	39.20	39.91	38.49	37.37	36.94	34.15	33.69	36.91	39.15	38.27
20	39.25	38.52	39.39	39.98	38.21	37.57	36.69	33.49	34.07	37.47	39.21	37.97
25	39.30	38.50	39.38	40.09	38.07	37.46	36.61	32.81	34.75	37.87	39.02	37.68
EOM	38.94	38.62	39.37	40.05	38.02	37.36	36.23	32.98	35.29	38.48	38.97	37.42
MAX	39.95	38.88	39.68	40.19	39.95	38.08	37.29	36.14	35.29	38.48	39.23	38.95

WTR YR 1984 HIGH 40.19 JAN 27

WELL NUMBER.--271021082151602. ROMP 19 EUAM Well near Sarasota, FL.

LOCATION.--Lat 27°10'21", long 82°15'16", in NE¼SE¼ sec.13, T.38 S., R.20 E., Hydrologic Unit 03100102, 2.5 mi south of State Highway 72, and 19 mi southeast of Sarasota.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 18 in, depth 121 ft, cased to 80 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 4 in casing, 8.8 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 31 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.61 ft NGVD, Sept. 18, 19, 1983; lowest, 28.55 ft NGVD, July 12, 13, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.93	31.19	31.92	32.20	31.74	31.83	31.51	30.64	29.60	29.32	30.94	30.28
10	31.71	31.58	31.66	32.11	31.37	31.46	31.63	30.30	29.25	29.38	31.18	30.13
15	31.70	31.60	32.07	32.10	31.37	31.82	31.83	30.04	29.04	29.46	31.07	29.98
20	32.00	31.95	32.23	32.09	31.23	31.91	31.65	29.70	29.39	29.66	30.89	30.32
25	31.84	32.03	32.16	32.09	31.60	31.92	31.31	29.58	29.43	29.66	30.89	30.25
EOM	31.37	31.85	32.12	31.80	31.75	31.67	30.90	29.70	29.25	30.51	30.57	30.04
MAX	32.10	32.03	32.24	32.20	31.76	32.08	31.83	30.85	29.68	30.51	31.18	30.53

WTR YR 1984 HIGH 32.24 DEC 19

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--271021082151603. ROMP 19 ES Well near Sarasota, FL.

LOCATION.--Lat 27°10'21", long 82°15'16", in NE¼SE¼ sec.13, T.38 S., R.20 E., Hydrologic Unit 03100102, 2.5 mi south of State Highway 72, and 19 mi southeast of Sarasota.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 34.5 ft, cased to 14.5 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.31 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 31 ft, from topographic map.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.77 ft NGVD, Sept. 29, 1982; lowest, 27.23 ft NGVD, July 13, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.78	29.57	30.60	30.76	30.10	30.13	30.72	28.98	28.37	28.45	29.84	28.27
10	30.25	30.83	30.13	31.01	29.64	29.74	31.07	29.18	27.89	28.35	29.63	28.45
15	31.00	30.96	31.24	30.67	29.73	31.05	30.86	28.51	27.91	28.25	29.47	27.92
20	30.95	31.09	31.25	30.88	29.41	30.37	30.24	28.16	29.03	28.31	28.89	29.32
25	30.41	30.99	30.99	30.36	30.49	31.02	29.70	28.44	28.57	28.24	29.27	28.55
EOM	29.81	30.97	31.15	29.98	30.87	30.09	29.30	29.21	28.09	30.40	28.64	28.61
MAX	31.20	31.10	31.27	31.07	30.94	31.14	31.07	29.27	29.24	30.40	30.44	29.32

WTR YR 1984 HIGH 31.27 DEC 17 AND OTHERS

WELL NUMBER.--271118082285301. Osprey Well 9 near Osprey, FL.

LOCATION.--Lat 27°11'18", long 82°28'53", in SW¼NW¼ sec.11, T.38 S., R.18 E., Hydrologic Unit 03100201, 0.3 mi east of U. S. Highway 41, and 1.0 mi southeast of Osprey.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 255 ft, cased to 157 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 10.06 ft above land-surface datum. Prior to Dec. 10, 1982, top of flange, 10.00 ft above land-surface datum.

DATUM.--Land-surface datum is 14.37 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1966 to current year, incomplete. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.45 ft NGVD, July 10, 1968; lowest, 8.05 ft NGVD, May 12, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.47	16.48	16.76	16.80	16.75	16.22	15.62	14.44	13.38	13.37	15.34	14.45
10	16.25	16.85	16.57	16.99	16.30	15.96	15.74	13.93	12.83	13.36	15.18	14.34
15	16.88	16.77	16.97	17.02	16.36	16.10	15.87	13.56	13.06	13.99	14.78	13.96
20	17.10	16.76	17.22	17.10	16.00	15.85	15.71	12.81	13.76	14.46	14.73	14.43
25	17.11	16.70	16.93	16.98	16.30	15.84	15.35	12.72	13.73	14.66	15.09	14.47
EOM	16.71	16.73	16.52	16.87	16.34	15.66	14.85	13.65	13.24	15.36	14.87	13.96
MAX	17.11	16.89	17.24	17.13	16.76	16.26	15.87	14.75	13.78	15.36	15.38	14.78

WTR YR 1984 HIGH 17.24 DEC 19

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--271134082092201. Big Slough Deep Well near Arcadia, FL.

LOCATION.--Lat 27°11'34", long 82°09'22", in NE¼NE¼ sec.12, T.38 S., R.22 E., Hydrologic Unit 03100102, 30 ft south of State Highway 72, and 17.5 mi west of Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 100 ft, cased to 78 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of PVC extension, 3.33 ft above land-surface datum.

DATUM.--Land-surface datum is 33.26 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982, land-surface datum was considered to be 33.23 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--December 1977 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.11 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.92 ft NGVD, Oct. 6, 1982; lowest, 29.28 ft NGVD, May 26, 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.06	34.20	34.76	35.16	34.67	34.53	34.44	33.72	32.37	32.55	33.93	34.57
10	34.79	34.25	34.69	35.08	34.37	34.39	34.47	33.22	32.49	32.56	34.23	34.30
15	34.70	34.37	34.91	34.98	34.25	34.47	34.51	32.39	32.49	32.65	34.49	34.05
20	34.79	34.48	35.06	34.95	34.14	34.59	34.42	31.71	32.52	32.89	34.54	34.01
25	34.71	34.62	35.08	35.00	34.20	34.59	34.23	31.20	32.59	33.17	34.64	33.89
EOM	34.37	34.71	35.05	34.82	34.36	34.53	33.97	31.94	32.56	33.62	34.74	33.73
MAX	35.25	34.71	35.18	35.16	34.75	34.72	34.51	33.91	32.61	33.62	34.74	34.73

WTR YR 1984 HIGH 35.25 OCT 1

WELL NUMBER.--271134082092202. Big Slough Shallow Well near Arcadia, FL.

LOCATION.--Lat 27°11'34", long 82°09'22", in NE¼NE¼ sec.12, T.38 S., R.22 E., Hydrologic Unit 03100102, 30 ft south of State Highway 72, and 17.5 mi west of Arcadia.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in, depth 25 ft, cased to 19 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.65 ft above land-surface datum.

DATUM.--Land-surface datum is 33.26 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982, land-surface datum was considered to be 33.23 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--December 1977 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.07 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.06 ft NGVD, Sept. 9, 1981; lowest, 26.44 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.68	30.10	30.69	31.36	30.08	30.98	30.82	29.35	29.52	28.69	30.19	30.28
10	30.28	30.33	30.24	31.07	29.75	30.43	31.31	29.31	29.11	28.56	30.64	29.84
15	30.85	30.11	31.84	30.86	29.87	31.99	30.98	29.00	28.90	28.93	31.37	29.50
20	29.96	30.46	32.07	30.85	29.60	31.22	30.50	28.74	29.08	29.23	31.00	29.92
25	29.64	30.60	31.61	30.54	30.55	31.60	29.99	28.58	28.80	29.59	31.45	29.53
EOM	29.60	30.71	31.82	30.21	31.40	30.80	29.67	29.87	28.61	30.06	30.98	29.27
MAX	31.17	30.71	32.07	31.77	31.40	31.99	31.34	29.87	29.86	30.06	31.64	30.83

WTR YR 1984 HIGH 32.07 DEC 19 AND OTHERS

SARASOTA COUNTY

WELL NUMBER.--271227082084801. Mabry Carlton Well No. 6 near Myakka City, FL.

LOCATION.--Lat 27°12'27", long 82°08'48", in NW¼NE¼ sec.6, T.38 S., R.22 E., Hydrologic Unit 03100102, 1.0 mi north of State Highway 72, and 9.5 mi southeast of Myakka City.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 12 in, depth 369 ft, cased to 311 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 5.50 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 40 ft, from topographic map.

PERIOD OF RECORD.--March 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 41.10 ft NGVD, Jan. 25, 27, 1984; lowest 32.58 ft NGVD, May 29, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	40.78	39.95	40.39	40.59	40.78	39.60	38.94	37.39	35.63	37.78	40.04	39.78
10	40.50	39.90	40.24	40.78	39.67	39.30	38.96	36.40	35.73	38.28	40.27	39.42
15	40.42	39.89	40.55	40.84	39.51	39.40	38.88	36.03	35.59	38.65	40.30	39.30
20	40.53	39.99	40.65	40.98	39.49	39.50	38.58	35.23	36.08	39.08	40.20	39.23
25	40.44	40.05	40.64	41.10	39.51	39.50	38.50	34.60	36.79	39.43	40.18	39.05
EOM	40.16	40.13	40.35	40.97	39.57	39.30	38.11	35.30	37.24	39.85	39.96	38.84
MAX	40.92	40.19	40.72	41.10	40.88	39.60	39.20	38.02	37.24	39.85	40.30	39.89

WTR YR 1984 HIGH 41.10 JAN 25 AND OTHERS

WELL NUMBER.--271601082330501. ROMP TR 6-1 Hawthorn Well near Sarasota, FL.

LOCATION.--Lat 27°16'01", long 82°33'05", in NW¼NE¼ sec.13, T.37 S., R.17 E., Hydrologic Unit 03100201, 40 ft south of State Highway 789A, 1.8 mi west of U. S. Highway 41, and 4.8 mi south of Sarasota.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 315 ft, cased to 300 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 10.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 5 ft, from topographic map.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.68 ft NGVD, Oct. 1, 1979; lowest, 4.22 ft NGVD, May 28, 1983.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.25	9.76	10.15	10.45	10.56	9.84	10.09	7.32	7.01	7.35	10.60	8.92
10	9.20	10.72	9.76	10.85	9.66	9.11	10.30	7.80	6.99	7.56	9.76	9.20
15	9.70	9.79	10.82	11.02	10.07	9.96	10.32	6.34	7.22	9.96	9.28	8.21
20	9.60	10.14	11.10	10.99	9.54	9.87	9.51	6.81	8.11	9.98	10.11	10.43
25	9.80	10.40	10.51	10.58	9.78	10.29	8.97	6.50	7.53	10.38	9.17	9.11
EOM	9.20	9.89	10.58	10.17	10.25	9.01	8.22	8.51	8.12	11.39	8.57	9.70
MAX	9.80	10.76	11.11	11.20	10.56	10.31	10.32	8.51	8.62	11.55	11.25	10.43

WTR YR 1984 HIGH 11.55 JUL 30

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--271619082240201. Florida Cities Test Well 1 near Sarasota, FL.

LOCATION.--Lat 27°16'19", long 82°24'02", in SE¼SE¼ sec.9, T.37 S., R.19 E., Hydrologic Unit 03100201, 20 ft east of Bee Ridge Road, 1.0 mi north of State Highway 72, and 9.0 mi southeast of Sarasota.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123 SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 446 ft, cased to 104 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum. Prior to Feb. 22, 1977, top of recorder shelter floor, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 34.26 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 36 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March to December 1974 (fragmentary); January 1975 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.74 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.30 ft (estimated) NGVD, Mar. 8, 9, 1978; lowest, 20.37 ft below NGVD, May 5, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.07	20.67	22.07	22.90	22.70	21.38	20.45	16.81	14.91	16.76	21.65	20.68
10	21.75	21.75	21.98	22.97	21.24	20.35	20.49	16.28	13.26	17.88	21.87	20.53
15	22.11	21.75	22.60	23.36	21.53	21.01	20.56	14.89	14.62	19.23	21.72	19.77
20	22.57	21.43	22.90	23.51	21.08	20.77	20.47	13.13	16.19	20.07	21.59	20.60
25	22.11	21.79	22.75	23.40	21.38	20.99	20.05	14.25	16.68	20.47	21.83	20.09
EOM	21.53	22.09	22.29	23.05	21.48	20.74	19.04	15.95	16.09	21.32	21.25	19.43
MAX	22.85	22.09	23.00	23.51	22.75	21.40	20.62	18.09	16.75	21.32	21.90	21.06

WTR YR 1984 HIGH 23.51 JAN 20

WELL NUMBER.--271938082251801. Sarasota Well 9 near Sarasota, FL.

LOCATION.--Lat 27°19'38", long 82°25'18", in SW¼SE¼ sec.20, T.36 S., R.19 E., Hydrologic Unit 03100201, 0.8 mi south of State Highway 780, and 5.0 mi east of Sarasota.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 730 ft, cased to 101 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.06 ft above land-surface datum.

DATUM.--Land-surface datum is 33.56 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby irrigation wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--September 1930 to December 1931 (weekly); January 1932 to April 1937; November 1941 to current year, incomplete. Records of water levels prior to January 1943 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.76 ft NGVD, Mar. 7, 1931; lowest daily maximum water level, 4.78 ft NGVD, May 3, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.02	23.67	25.73	27.10	26.07	24.18	22.72	17.51	17.04	22.70	27.13	25.59
10	25.39	25.05	25.56	27.67	23.98	22.32	22.84	16.74	15.77	23.87	27.43	25.39
15	25.93	24.87	27.08	28.03	24.89	23.51	22.91	14.88	17.11	24.57	27.03	24.18
20	26.36	24.59	27.39	27.99	23.67	23.26	22.43	13.27	19.20	25.43	26.89	24.56
25	26.27	25.62	26.99	27.98	24.78	23.46	21.38	14.77	20.92	25.99	26.81	23.79
EOM	25.07	26.14	27.26	26.45	25.06	22.58	19.59	17.09	21.78	26.76	26.38	23.30
MAX	26.73	26.14	27.48	28.14	26.66	24.91	23.02	18.94	21.78	26.76	27.43	26.05

WTR YR 1984 HIGH 28.14 JAN 16

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--272020082194801. Verna T Well 0-4 near Verna, FL.

LOCATION.--Lat 27°20'20", long 82°19'48", in NE¼NW¼ sec.20, T.36 S., R.20 E., Hydrologic Unit 03100102, 60 ft north of State Highway 780, and 5.0 mi southwest of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 500 ft, cased to 140 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 43 ft, from topographic map.

PERIOD OF RECORD.--February 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.07 ft NGVD, Jan. 27, 1984; lowest, 3.02 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.30	23.02	25.35	27.35	26.38	22.90	19.73	15.71	13.00	19.99	25.75	24.22
10	24.70	23.30	25.70	27.56	24.51	21.76	19.35	13.89	12.49	21.13	26.15	23.72
15	24.92	23.33	26.21	27.80	23.58	21.10	19.36	12.67	13.23	22.22	25.86	22.81
20	25.69	23.22	26.69	27.78	23.04	20.78	19.60	11.04	15.40	23.34	25.61	22.31
25	25.32	23.79	27.06	27.99	23.22	20.83	18.69	10.42	17.30	24.19	25.56	21.79
EOM	24.13	24.53	26.94	27.48	23.22	20.55	17.30	12.30	18.77	25.23	25.19	21.10
MAX	27.20	24.53	27.23	28.07	27.25	23.17	20.25	17.00	18.77	25.23	26.20	25.05

WTR YR 1984 HIGH 28.07 JAN 27

WELL NUMBER.--272049082324401. City of Sarasota 11th Street Well at Sarasota, FL.

LOCATION.--Lat 27°20'49", long 82°32'44", in SW¼SW¼ sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, 30 ft north of 11th Street, 0.2 mi west of U. S. Highway 301, and 0.8 mi north of State Highway 780 at Sarasota.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 6 in, depth 479 ft, cased to 43 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 8 in flange, 13.34 ft above land-surface datum.

DATUM.--Land-surface datum is 8.73 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota).

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.31 ft NGVD, Sept. 30, 1979; lowest, 7.79 ft NGVD, May 22, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.32	13.52	15.02	15.49	14.45	14.12	13.16	10.64	9.33	11.28	13.83	12.19
10	13.78	13.99	14.31	15.19	13.95	12.70	12.94	9.75	8.54	11.43	13.63	12.81
15	14.13	13.96	14.56	15.37	13.98	13.27	12.89	8.85	8.84	12.80	13.38	11.80
20	14.46	14.32	14.88	15.18	13.33	13.24	13.03	8.33	10.10	13.17	13.43	12.91
25	14.38	14.59	15.07	15.40	13.92	13.21	12.31	8.17	10.56	13.39	13.30	12.72
EOM	13.91	14.41	14.54	14.91	13.79	12.94	11.62	9.55	11.01	13.71	12.66	12.21
MAX	14.85	14.59	15.85	15.61	14.68	14.14	13.28	11.18	11.01	14.01	13.83	13.00

WTR YR 1984 HIGH 15.85 DEC 21

WELL NUMBER.--272053082320202. City of Sarasota Injection Monitor Well 2 at Sarasota, FL.

LOCATION.--Lat 27°20'53", long 82°32'05", in SE¼SE¼ sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, at city of Sarasota Sewage Treatment Plant, 0.25 mi west of U. S. Highway 301, and 0.8 mi north of State Highway 780 at Sarasota.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 24 in, depth 1,500 ft, cased to 1,108 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 2.00 ft above land-surface datum. Prior to Oct. 1, 1981, top of 16 in flange, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 23.60 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota).

PERIOD OF RECORD.--April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.87 ft NGVD, Oct. 2, 1979; lowest, 9.22 ft NGVD, May 8, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.24	21.04	22.38	23.04	22.58	21.19	19.70	17.06	16.12	19.43	22.62	20.84
10	21.56	21.49	22.23	23.28	21.23	20.27	19.89	15.71	15.42	19.86	22.70	21.05
15	21.88	21.53	22.66	23.37	21.05	20.12	20.03	15.06	15.67	20.79	22.25	19.96
20	22.54	21.37	22.96	23.46	20.95	20.52	19.84	14.15	17.36	21.39	22.18	20.41
25	22.30	21.73	22.86	23.54	21.03	20.48	19.34	14.11	18.27	21.89	22.13	20.32
EOM	21.57	22.01	22.53	23.10	21.25	20.19	18.27	16.06	18.52	22.61	21.60	19.88
MAX	22.67	22.08	23.08	23.59	22.86	21.28	20.08	17.84	18.52	22.61	22.73	21.29

WTR YR 1984 HIGH 23.59 JAN 19

WELL NUMBER.--272106082321801. City of Sarasota Orange Avenue Well near Sarasota, FL.

LOCATION.--Lat 27°21'06", long 82°32'18", in SW¼NE¼ sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, 5 ft east of Orange Avenue, 30 ft south of 17th Street, and 1.1 mi northwest of Sarasota.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 534 ft, cased to 22 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.75 ft above land-surface datum.

DATUM.--Land-surface datum is 20.02 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota).

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.99 ft NGVD, Sept. 30, 1979; lowest, 9.81 ft NGVD, May 22, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.95	15.69	17.40	16.38	17.02	16.32	14.20	12.16	11.12	12.45	16.27	15.14
10	15.71	16.63	15.88	17.47	15.04	15.31	14.78	10.32	10.84	13.97	16.45	14.91
15	16.48	15.75	17.03	17.16	14.83	15.12	14.88	10.69	10.44	13.68	16.45	14.39
20	17.16	15.22	17.33	18.07	16.14	15.37	13.59	10.07	11.84	14.16	16.05	15.23
25	16.40	16.34	16.86	17.16	14.69	15.57	14.34	10.00	12.55	15.74	16.06	13.72
EOM	15.91	16.66	16.97	17.05	15.88	15.04	13.49	11.70	12.63	16.60	15.08	14.37
MAX	17.17	16.70	18.79	18.71	17.28	16.32	14.91	13.18	12.63	16.77	16.54	15.37

WTR YR 1984 HIGH 18.79 DEC 21 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--272119082325101. Whitaker Bayou Well at Sarasota, FL.

LOCATION.--Lat 27°21'19", long 82°32'51", in NE¼NE¼ sec.13, T.36 S., R.17 E., Hydrologic Unit 03100201, on right bank of Whitaker Bayou, 45 ft upstream from bridge on U. S. Highway 41, and 1.5 mi northwest of Sarasota.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 12 in, depth 337 ft, cased to 54 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 9.94 ft above land-surface datum. Prior to Aug. 8, 1979, top of recorder shelter floor, 5.92 ft above land-surface datum.

DATUM.--Land-surface datum is 9.93 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota) Prior to Aug. 8, 1979, land-surface datum was considered to be 6 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by Gulf tides. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--September 1962 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1978, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +3.85 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.05 ft (estimated), NGVD, Aug. 12, 1978; lowest, 2.45 ft NGVD, May 20, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.79	8.88	9.76	10.41	8.59	9.88	9.16	4.60	4.90	6.34	9.30	6.64
10	7.92	7.76	7.32	10.77	9.41	7.09	8.90	3.10	4.10	6.32	9.29	8.73
15	9.82	7.11	9.32	10.82	9.73	9.09	6.97	3.50	3.70	7.33	9.34	7.65
20	9.54	8.87	10.01	9.12	9.45	9.14	7.00	3.00	4.30	7.49	7.75	9.04
25	9.59	9.19	10.01	8.41	9.63	7.62	7.30	2.90	5.60	8.96	7.66	7.04
EOM	8.28	8.86	9.85	9.86	10.08	8.91	6.00	4.80	5.70	8.33	8.03	8.45
MAX	10.18	9.19	10.98	10.97	10.21	10.05	9.16	5.80	5.70	9.23	9.70	9.12

WTR YR 1984 HIGH 10.98 DEC 21

NOTE.--Record estimated Apr. 20 to July 1.

WELL NUMBER.--272120082322702. City of Sarasota 21st Street Well near Sarasota, FL.

LOCATION.--Lat 27°21'20", long 82°32'27", in NW¼NW¼ sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, 100 ft north of 21st Street, 0.4 mi east of State Highway 41, and 1.4 mi north of Sarasota.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 561 ft, cased to 123 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 8.20 ft above land-surface datum.

DATUM.--Land-surface datum is 15.25 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.20 ft NGVD, Sept. 30, Oct. 1, 1979; lowest, 4.48 ft NGVD, May 11, 14, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.99	11.50	16.45	10.81	14.67	15.32	10.68	7.74	8.59	6.92	13.53	12.77
10	12.52	14.30	10.87	14.50	9.45	12.70	11.83	4.62	8.34	11.73	14.09	10.57
15	12.43	12.38	14.09	12.68	9.13	12.07	11.87	8.05	6.16	8.12	15.23	11.38
20	14.85	9.87	14.24	16.49	13.82	12.46	7.82	7.32	7.59	8.31	13.63	12.82
25	12.01	13.84	12.56	13.84	9.05	12.94	11.42	6.92	8.19	13.14	13.68	7.93
EOM	10.92	14.25	13.81	12.99	12.90	12.02	10.42	9.19	8.25	14.34	10.69	11.25
MAX	14.85	14.67	18.08	17.85	15.73	15.32	11.92	10.17	9.39	15.05	15.23	13.14

WTR YR 1984 HIGH 18.08 DEC 21

SARASOTA COUNTY

WELL NUMBER.--272133082324701. City of Sarasota 27th Street Well near Sarasota, FL.

LOCATION.--Lat 27°21'33", long 82°32'47", in NW¼NW¼ sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, 30 ft south of 27th Street, 0.2 mi east of U. S. Highway 41, and 1.8 mi northwest of Sarasota.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, unused, public supply well, diameter 12 in, depth 343 ft, cased to 45 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 18.14 ft above land-surface datum.

DATUM.--Land-surface datum is 6.84 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--August 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.90 ft NGVD, Sept. 1, 1981; lowest, 6.24 ft NGVD, May 11, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.66	12.94	16.29	12.84	14.08	15.19	10.30	9.32	8.35	8.79	13.12	12.09
10	12.04	13.65	12.54	14.17	11.41	12.15	11.45	6.64	7.91	11.01	13.44	11.88
15	14.20	12.13	13.58	14.44	11.23	11.71	11.55	7.59	7.56	9.99	14.92	10.99
20	14.22	11.74	13.84	16.11	13.11	12.16	9.95	6.74	9.29	10.29	12.98	12.44
25	13.67	13.26	14.32	13.60	11.09	12.41	11.02	6.66	9.93	12.79	13.01	9.58
EOM	12.57	13.62	13.33	14.40	12.75	11.66	10.10	8.73	10.07	13.67	12.30	10.74
MAX	14.22	14.17	17.78	17.59	15.23	15.19	11.74	9.84	10.07	14.67	14.92	12.88

WTR YR 1984 HIGH 17.78 DEC 21

WELL NUMBER.--272220082151401. KME Test Well 09 near Verna, FL.

LOCATION.--Lat 27°22'20", long 82°15'14", in SE¼SE¼ sec.1, T.36 S., R.20 E., Hydrologic Unit 03100102, in Verna Well Field, 0.9 mi east of Verna Road, and 1.1 mi southeast of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 575 ft, cased to 123 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 72.92 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 78 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--April to October 1964; April 1973 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -5.11 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 39.89 ft NGVD, Oct. 15, 1964; lowest, 22.11 ft below NGVD, May 7, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.81	15.65	19.84	27.33	23.16	18.84	17.77	2.03	8.18	17.68	25.87	23.20
10	21.29	22.65	17.00	23.77	19.51	11.48	12.72	10.64	5.98	19.69	22.22	20.44
15	20.07	18.33	26.03	25.81	22.72	17.91	15.30	3.86	7.80	20.50	24.00	19.53
20	25.55	20.09	22.16	24.07	19.89	15.56	7.36	3.95	13.22	15.65	21.56	20.35
25	21.28	21.25	24.94	28.25	12.62	17.41	14.34	2.81	13.24	22.53	18.05	18.84
EOM	20.60	24.06	20.61	22.95	20.01	8.93	12.33	6.74	15.72	22.70	22.99	17.33
MAX	25.55	24.06	26.84	28.48	26.79	19.88	17.77	11.45	15.72	23.55	26.02	23.31

WTR YR 1984 HIGH 28.48 JAN 26

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SARASOTA COUNTY

WELL NUMBER.--272242082235501. Schroeder-Manatee Deep Well near Sarasota, FL.

LOCATION.--Lat 27°22'42", long 82°23'55", in SW¼NW¼ sec.3, T.36 S., R.19 E., Hydrologic Unit 03100202, 0.5 mi south of Manatee-Sarasota County line, 3.7 mi south of State Highway 70, and 9.5 mi northeast of Sarasota.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in, depth 1,367 ft, cased to 430 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 1.56 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 44 ft, from topographic map.

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WRD FL-79-33: 1978.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.40 ft NGVD, Aug. 15, 1978; lowest, 2.06 ft below NGVD, May 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.35	17.35	20.10	22.09	19.63	16.58	14.49	7.64	7.04	16.12	20.90	18.92
10	19.14	18.21	20.60	22.37	16.87	14.34	14.11	5.90	5.94	17.33	21.40	18.52
15	19.73	18.32	21.08	22.59	17.59	14.37	14.50	4.66	8.62	18.32	21.09	17.07
20	20.82	18.00	21.64	21.69	16.06	15.19	12.90	3.93	11.62	19.30	20.63	16.95
25	20.28	18.80	22.02	22.75	16.32	14.16	11.77	4.93	13.58	20.10	20.75	16.77
EOM	18.73	19.60	21.73	20.20	17.11	13.71	9.48	6.87	14.75	20.60	20.10	15.93
MAX	21.36	19.60	22.09	22.79	20.49	16.76	14.65	9.18	14.75	20.60	21.40	19.84

WTR YR 1984 HIGH 22.79 JAN 16

WELL NUMBER.--272248082175201. KME Well 14 A near Verna, FL.

LOCATION.--Lat 27°22'48", long 82°17'52", in SW¼NW¼ sec.3, T.36 S., R.20 E., Hydrologic Unit 03100201, 500 ft southeast of water plant at Verna Well Field, and 1.8 mi southwest of Verna.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, unused public supply, artesian well, diameter 6 in, depth 107 ft, cased to 84 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 3.65 ft above land-surface datum. Prior to Sept. 21, 1984, top of flange 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 80.14 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1. 1977, land-surface datum was considered to be 81 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--January 1973 to current year, incomplete. Records of water levels prior to October 1976 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.06 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 45.42 ft NGVD, Sept. 21, 1983; lowest, 14.51 ft NGVD, Jan. 20, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.24	42.23	42.20	43.90	43.93	42.66	40.43	37.87	34.04	35.32	39.81	39.28
10	43.64	41.38	41.88	44.16	43.64	41.65	39.84	36.59	33.36	36.11	40.37	39.00
15	43.31	41.58	42.52	43.91	43.05	41.24	39.44	36.36	33.09	36.28	40.27	38.30
20	43.28	41.26	42.97	44.59	42.51	41.43	39.33	35.02	34.03	36.89	39.87	38.50
25	42.99	41.57	42.93	45.08	42.11	41.32	38.96	34.16	34.60	38.20	40.11	38.29
EOM	42.95	42.02	43.56	44.46	42.35	41.15	38.49	34.39	34.60	39.19	39.34	37.74
MAX	44.31	42.88	43.81	45.08	44.63	42.66	41.16	38.42	35.07	39.19	40.41	39.29

WTR YR 1984 HIGH 45.08 JAN 25

SARASOTA COUNTY

WELL NUMBER.--272255082172202. KME Recharge Well near Verna, FL.

LOCATION.--Lat 27°22'55", long 82°17'22", in SW¼NE¼ sec.3, T.36 S., R.20 E., Hydrologic Unit 03100201, at Verna Well Field, 0.5 mi east of water plant, and 1.5 mi southwest of Verna.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124 AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 1,200 ft, cased to 800 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 4.00 ft above land-surface datum.

DATUM.--Land-surface datum is 78.77 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 78.90 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells.

PERIOD OF RECORD.--June 1976 to current year. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.13 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.73 ft NGVD, Aug. 22, 1982; lowest, 4.51 ft below NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBEP 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.85	17.70	23.07	25.49	23.27	18.88	15.32	8.79	7.40	17.78	24.19	20.88
10	20.79	20.32	23.09	25.79	20.43	16.94	14.76	7.14	6.15	18.80	24.05	20.02
15	22.35	19.63	23.87	26.19	20.28	17.21	15.16	5.48	8.59	20.19	23.59	18.00
20	22.44	19.53	24.84	26.21	19.11	15.95	14.83	3.22	11.68	21.60	22.78	18.57
25	22.14	21.01	25.32	26.24	20.08	17.23	13.57	3.69	14.55	22.57	23.48	16.96
EOM	19.59	21.76	24.89	25.32	20.33	15.49	11.20	7.64	16.09	23.75	21.98	16.73
MAX	23.42	21.76	25.32	26.59	24.61	20.23	15.48	10.77	16.09	23.75	24.55	21.46

WTR YR 1984 HIGH 26.59 JAN 23

WELL NUMBER.--272257082180202. KME Water Table Well 11 near Verna, FL.

LOCATION.--Lat 27°22'57", long 82°18'02", in SW¼NW¼ sec.3, T.36 S., R.20 E., Hydrologic Unit 03100201, 500 ft west of water plant, and 1.9 mi southwest of Verna.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 21 ft, cased to 18 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of adapter, 1.2 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 79 ft, from topographic map.

PERIOD OF RECORD.--November 1972 to current year (bimonthly). Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.62 ft NGVD, Oct. 11, 1973; lowest measured, 72.34 ft NGVD, May 20, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 12...	1030	77.18	MAY 14...	1144	75.91
DEC 14...	1202	76.87	JUN 05...	1329	74.97
FEB 14...	1410	77.72	AUG 15...	1440	76.56
APR 10...	1305	78.07	SEP 10...	1105	75.37

SARASOTA COUNTY

WELL NUMBER.--272258082181701. KME Water Table Well 09 near Verna, FL.

LOCATION.--Lat 27°22'58", long 82°18'17", in SE¼NE¼ sec.4, T.36 S., R.20 E., Hydrologic Unit 03100201, 0.5 mi west of water plant in Verna Well Field, and 2.2 mi southwest of Verna.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in, depth 42 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 6 in flange, 2.74 ft above land-surface datum. Prior to Feb. 6, 1979, top of recorder shelter floor, 2.80 ft above land-surface datum.

DATUM.--Land-surface datum is 79.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 79.23 ft NGVD, June 18, 1982; lowest, 73.93 ft NGVD, July 4, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	76.95	76.16	76.59	78.32	77.59	77.64	78.28	76.44	75.33	77.14	77.30	75.62
10	77.18	77.28	76.42	78.90	77.20	77.20	78.41	76.89	75.14	77.42	77.03	75.44
15	77.83	76.76	78.98	78.39	78.03	78.81	78.62	76.22	75.10	77.71	76.49	75.23
20	76.91	77.43	78.63	78.19	77.55	78.02	77.39	75.90	76.35	77.07	76.23	75.16
25	76.67	77.15	77.92	77.85	78.00	78.87	76.97	75.70	75.88	76.78	76.35	75.06
EOM	76.35	76.84	78.95	77.51	78.29	77.81	76.70	75.55	76.14	77.39	75.89	74.98
MAX	77.83	77.57	79.08	78.90	78.74	79.04	78.62	76.98	76.44	77.71	77.74	75.83

WTR YR 1984 HIGH 79.08 DEC 29

SARASOTA COUNTY

WELL NUMBER.--272258082195301. KME Well 04 near Verna, FL.

LOCATION.--Lat 27°22'58", long 82°19'53", in NW¼NW¼ sec.5, T.36 S., R.20 E., Hydrologic Unit 03100201, at Verna Well Field, 2.0 mi west of water plant, and 3.9 mi southwest of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 440 ft, cased to 91 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.18 ft above land-surface datum.

DATUM.--Land-surface datum is 62.25 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota).

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1964 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 47.33 ft NGVD, Apr. 5, 1964; lowest, 1.88 ft NGVD, May 6, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.47	27.87	29.18	30.84	30.89	28.57	26.05	22.93	19.37	23.45	27.70	27.18
10	28.86	28.07	29.43	31.09	29.77	27.90	25.67	21.65	18.93	24.10	28.04	26.83
15	29.12	28.01	29.90	31.23	29.23	27.36	25.60	20.55	19.18	24.86	27.96	26.14
20	29.49	27.96	30.19	31.48	28.95	27.01	25.55	19.29	20.38	25.69	27.83	25.94
25	29.25	28.27	30.44	31.64	28.91	26.89	24.98	18.51	21.49	26.38	28.03	25.58
EOM	28.50	28.66	30.58	31.47	28.88	26.63	24.02	19.30	22.45	27.18	27.77	25.11
MAX	29.91	28.66	30.72	31.70	31.34	28.85	26.43	23.80	22.45	27.18	28.07	27.67

WTR YR 1984 HIGH 31.70 JAN 27

WELL NUMBER.--272258082195302. KME Well 04-A near Verna, FL.

LOCATION.--Lat 27°22'58", long 82°19'53", in NW¼NW¼ sec.5, T.36 S., R.20 E., Hydrologic Unit 03100201, at Verna Well Field, 2.0 mi west of water plant, and 3.9 mi southwest of Verna.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 20 ft, cased to 17 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 62.61 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota).

PERIOD OF RECORD.--January 1965 to current year (bimonthly), incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.58 ft NGVD, Aug. 28, 1981; lowest measured, 56.61 ft NGVD, May 20, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 12...	0905	62.12	MAY 14...	0935	59.95
DEC 13...	1402	62.12	JUN 05...	1150	59.32
FEB 14...	1305	61.58	AUG 15...	1335	60.68
APR 10...	1205	61.88	SEP 10...	0840	59.53

SARASOTA COUNTY

WELL NUMBER.--272301082191401. KME 02 Well near Verna, FL.

LOCATION.--Lat 27°23'01", long 82°19'14", in NE¼NE¼ sec.5, T.36 S., R.20 E., Hydrologic Unit 03100201, 1.5 mi west of water plant in Verna Well Field, and 3.4 mi southwest of Verna.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 16 in, depth 860 ft, cased to 356 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 71.95 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 71 ft, from topographic map. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--October 1964 to current year, incomplete. Records of water levels prior to October 1976 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.95 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.85 ft NGVD, Oct. 15, 1964; lowest, 9.05 ft below NGVD, May 10, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.10	17.99	22.91	25.23	23.15	18.61	15.03	8.30	7.16	17.65	24.07	20.48
10	20.77	20.11	23.04	25.57	20.07	16.51	14.62	6.86	6.03	18.80	23.62	19.40
15	22.28	19.64	23.61	26.04	20.09	16.81	14.46	4.97	8.14	20.23	23.51	17.54
20	22.55	19.38	24.74	26.03	19.26	15.85	14.78	3.17	11.67	21.49	22.56	18.25
25	22.00	20.77	25.17	26.17	19.89	17.02	13.58	3.58	14.52	22.45	23.28	16.82
EOM	19.46	21.77	24.57	25.11	20.31	15.03	10.70	7.60	16.02	23.66	21.65	16.67
MAX	23.33	21.77	25.17	26.38	24.57	20.04	15.46	10.54	16.02	23.66	24.47	21.05

WTR YR 1984 HIGH 26.38 JAN 17

WELL NUMBER.--272308082161801. KME Well 08 at Verna, FL.

LOCATION.--Lat 27°23'08", long 82°16'18", in NE¼NE¼ sec.2, T.36 S., R.20 E., Hydrologic Unit 03100201, at Verna Well Field, 300 ft south of Manatee County line, and 0.2 mi southwest of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122 TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 445 ft, cased to 126 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of flange, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 95.94 ft National Geodetic Vertical Datum of 1929 (levels by city of Sarasota). Prior to Oct. 1, 1977, land-surface datum was considered to be 96.34 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Water levels affected by pumping of nearby public supply wells. Extremes may have been exceeded during periods of missing record.

PERIOD OF RECORD.--March 1964 to current year, incomplete. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -0.40 ft. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 43.27 ft NGVD, Apr. 30, 1964; lowest, 14.38 ft below NGVD, May 1, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.00	17.60	21.50	23.90	22.20	17.58	13.62	7.37	4.48	14.55	21.31	17.79
10	20.60	18.88	21.70	24.40	20.50	15.51	13.55	5.56	3.00	14.26	21.70	18.90
15	21.50	19.50	21.49	24.90	20.05	16.15	13.62	4.70	4.92	16.71	20.92	15.62
20	22.70	19.00	21.80	25.04	19.68	15.93	13.07	2.81	9.08	16.58	21.30	16.32
25	21.50	19.50	22.80	24.10	17.98	16.13	13.00	1.38	11.26	19.72	19.82	15.51
EOM	19.00	20.70	23.60	23.40	19.12	13.96	9.58	4.79	11.58	21.16	18.31	14.67
MAX	22.70	20.70	23.60	25.21	23.30	19.52	14.58	9.77	12.11	21.16	22.31	19.05

WTR YR 1984 HIGH 25.21 JAN 18

SARASOTA COUNTY

WELL NUMBER.--272510082345701. ROMP TR 7-1 Deep Well near Bradenton, FL.

LOCATION.--Lat 27°25'10", long 82°34'57", in SE¼SE¼ sec.22, T.35 S., R. 17 E., Hydrologic Unit 03100202. 500 ft north of Bay Drive, 0.43 mi west of U. S. Highway 41, and 5.25 mi southwest of Bradenton.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 340 ft, cased to 320 ft.

INSTRUMENTATION.--Water-level recorder. Measuring Point: Top of recorder shelter floor, 14.23 ft above land-surface datum.

PERIOD OF RECORD.--October 1983 to February 1984 (bimonthly); March to September 1984.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.88 ft NGVD, Dec. 19, 1983; lowest daily maximum water level, 15.73 ft NGVD, May 22, 1984.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---		---		---	---	20.85	19.08	17.63	19.63	22.65	21.48
2	---		---		---	---	20.72	18.98	17.87	19.62	22.61	21.29
3	22.59		---		---	---	20.64	18.97	17.97	19.73	22.57	21.25
4	---		---		---	---	20.86	18.85	17.85	19.79	22.63	21.19
5	---		---		---	21.83	20.89	18.50	17.66	20.01	22.59	20.98
6	---		---		---	21.88	20.69	18.26	17.39	20.14	22.62	20.99
7	---		---		---	21.79	20.53	17.94	17.29	20.27	22.59	20.94
8	---		---		---	21.26	20.64	17.69	17.20	20.33	22.59	20.91
9	---		---		---	21.09	20.88	17.58	17.14	20.45	22.58	21.13
10	---		---		---	21.07	21.01	17.39	17.11	20.43	22.49	21.18
11	---		---		---	20.98	21.06	17.21	17.12	20.52	22.42	21.05
12	---		---		---	20.93	21.02	17.13	16.99	20.70	22.39	20.82
13	---		---		---	21.13	21.02	17.03	16.98	20.86	22.31	20.63
14	---		---		---	21.12	21.04	16.98	17.03	20.98	22.11	20.48
15	---		---		21.37	21.08	21.15	16.77	17.28	21.17	22.05	20.36
16	---		---		---	21.19	21.18	16.44	17.67	21.38	22.00	20.30
17	---		---		---	21.22	21.03	16.23	17.99	21.60	21.99	20.32
18	---		---		---	21.29	20.90	15.97	18.21	21.55	22.10	20.39
19	---		22.88		---	21.35	20.86	15.92	18.54	21.51	22.12	20.67
20	---		---		---	21.52	20.81	16.16	18.56	21.57	22.10	20.88
21	---		---		---	21.39	20.81	16.03	18.63	21.62	21.89	20.97
22	---		---		---	21.08	20.79	15.73	18.72	21.73	21.90	20.83
23	---		---		---	21.16	20.70	15.89	18.98	21.84	22.07	20.77
24	---		---		---	21.43	20.58	16.01	19.19	21.86	22.16	20.75
25	---		---		---	21.53	20.34	15.97	19.31	22.00	22.09	20.64
26	---		---		---	21.48	20.18	16.21	19.36	22.16	22.03	20.59
27	---		---		---	21.62	20.07	16.57	19.36	22.34	21.99	20.51
28	---		---		---	21.85	19.90	16.91	19.22	22.50	21.93	20.59
29	---		---		---	21.79	19.75	17.24	19.27	22.58	21.83	20.50
30	---		---		---	21.29	19.53	17.51	19.55	22.60	21.77	20.42
31	---		---		---	20.91	---	17.66	---	22.67	21.61	---
MAX	---		---		---	---	21.18	19.08	19.55	22.67	22.65	21.48

WTR YR 1984 HIGH 22.88 DEC 19

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

SARASOTA

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
270642082253801	BAY INDIES 2 DP WELL NR VENICE	27 06 42	082 25 38	01	84-05-15	15.80
					84-09-11	18.65
270714082155201	BLKBRN RNCH WELL 121 NR N PORT CHARLOTTE	27 07 14	082 15 52	01	84-05-15	37.50
					84-09-11	40.50
271137082074801	SWFWMD R-18-1	27 11 37	082 07 48	01	84-05-15	38.90
					84-09-10	41.89
271450082292601	I.Z. MANN GOLF CSC WELL NR SARASOTA	27 14 50	082 29 26	01	84-05-15	22.70
					84-09-11	28.40
271717082332601	MARTIN D WELL AT SIESTA KEY	27 17 17	082 33 26	01	84-05-15	12.60
					84-09-11	16.00
272206082151101	VERNA W T WELL 23	27 22 06	082 15 11	01	84-05-14	62.80
					84-09-10	62.81
272209082152001	VERNA W T WELL 22	27 22 09	082 15 20	01	84-05-14	66.14
					84-09-10	65.90
272211082151901	VERNA W T WELL 21	27 22 11	082 15 19	01	84-05-14	65.70
					84-09-10	65.28
272218082151201	VERNA W T WELL 20	27 22 18	082 15 12	01	84-05-14	65.95
					84-09-10	65.75
272220082151201	VERNA PROD WELL 36	27 22 20	082 15 12	01	84-09-10	20.74
272223082152201	VERNA W T WELL 25	27 22 23	082 15 22	01	84-05-14	78.64
					84-09-10	75.52
272225082152001	VERNA PROD WELL 34	27 22 25	082 15 20	01	84-05-14	6.57
					84-09-10	20.28
272225082152201	VERNA W T WELL 19	27 22 25	082 15 22	01	84-05-14	74.50
					84-09-10	74.36
272225082153501	VERNA PROD WELL 33	27 22 25	082 15 35	01	84-05-14	6.14
					84-09-10	19.78
272226082153401	VERNA W T WELL 26	27 22 26	082 15 34	01	84-05-14	84.38
					84-09-10	84.42
272227082371601	ARVIDA D WELL NR LONGBOAT KEY	27 22 27	082 37 16	01	84-05-16	15.20
					84-09-12	18.00
272233082151101	VERNA PROD WELL 32	27 22 33	082 15 11	01	84-05-14	7.83
					84-09-10	22.14
272233082152701	VERNA PROD WELL 31	27 22 33	082 15 27	01	84-05-14	6.25
					84-09-10	20.90
272236082155801	VERNA W T WELL 27	27 22 36	082 15 58	01	84-05-14	91.62
					84-09-10	91.88
272245082151501	VERNA W F SHALLOW WELL 28 NR RASOTA, FLA	27 22 45	082 15 15	01	84-05-14	91.94
					84-09-10	92.33
272247082170201	VERNA PROD WELL 23	27 22 47	082 17 02	01	84-09-10	10.59
272248082164501	VERNA PROD WELL 26	27 22 48	082 16 45	01	84-09-10	15.88
272248082171901	VERNA PROD. WELL 20	27 22 48	082 17 19	01	84-05-14	0.83
					84-09-10	15.61
272248082173601	VERNA PROD WELL 17	27 22 48	082 17 36	01	84-05-14	-6.23
272248082175301	VERNA PROD WELL 14	27 22 48	082 17 53	01	84-05-14	-1.99
272248082181701	VERNA PROD WELL 8	27 22 48	082 18 17	01	84-05-14	-6.81
					84-09-10	3.45
272251082184001	VERNA W T WELL 7	27 22 51	082 18 40	01	84-05-14	71.46
					84-09-10	71.06
272252082165001	VERNA W T WELL 30	27 22 52	082 16 50	01	84-05-14	76.84
272253082174001	VERNA W T WELL 14	27 22 53	082 17 40	01	84-05-14	76.62
					84-09-10	76.24
272253082195401	VERNA KME T WELL 4	27 22 53	082 19 54	01	84-05-14	7.49
					84-09-10	20.89

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
SARASOTA						
272253082195402	VERNA W T WELL 1	27 22 53	082 19 54	02	84-05-14	61.38
					84-09-10	60.94
272254082171601	VERNA W T WELL 18	27 22 54	082 17 16	01	84-05-14	76.16
					84-09-10	76.40
272254082171701	VERNA W T WELL 17	27 22 54	082 17 17	01	84-05-14	76.00
					84-09-10	76.25
272255082172201	VERNA WF DRAIN WELL AT VERNA	27 22 55	082 17 22	01	84-05-14	5.85
					84-09-10	19.81
272255082180202	VERNA W T WELL 12	27 22 55	082 18 02	02	84-05-14	76.18
					84-09-10	75.61
272256082173401	VERNA W T WELL 15	27 22 56	082 17 34	01	84-05-14	77.38
					84-09-10	77.19
272256082175901	VERNA T WELL O-3 NR VERNA	27 22 56	082 17 59	01	84-09-10	7.51
272256082183701	VERNA W T WELL 8	27 22 56	082 18 37	01	84-05-14	70.92
					84-09-10	70.57
272257082171001	VERNA PROD WELL 21	27 22 57	082 17 10	01	84-05-14	-0.96
					84-09-10	5.11
272257082172801	VERNA PROD WELL 18	27 22 57	082 17 28	01	84-05-14	-3.30
					84-09-10	7.59
272257082173301	VERNA W T WELL 16	27 22 57	082 17 33	01	84-05-14	75.52
					84-09-10	75.44
272257082181801	VERNA PROD WELL 9	27 22 57	082 18 18	01	84-05-14	3.45
272257082185401	VERNA PROD WELL 3	27 22 57	082 18 54	01	84-05-14	-11.69
272258082184901	VERNA W T WELL 5	27 22 58	082 18 49	01	84-05-14	70.40
					84-09-10	69.96
272258082184902	VERNA W T WELL 4	27 22 58	082 18 49	02	84-05-14	70.46
					84-09-10	69.77
272258082193601	VERNA W T WELL 31	27 22 58	082 19 36	01	84-05-14	59.85
					84-09-10	59.71
272301082191401	KME 02 WELL NEAR VERNA,FL.	27 23 01	082 19 14	01	84-05-14	4.80
					84-09-10	19.32
272306082182701	VERNA PROD WELL 7	27 23 06	082 18 27	01	84-05-14	-17.13
272306082184601	VERNA PROD WELL 4	27 23 06	082 18 46	01	84-05-14	-18.76
272307082170201	VERNA PROD WELL 22	27 23 07	082 17 02	01	84-09-10	3.13
272307082173701	VERNA PROD WELL 16	27 23 07	082 17 37	01	84-05-14	-12.83
					84-09-10	-3.45
272307082180901	VERNA PROD WELL 10	27 23 07	082 18 09	01	84-05-14	0.70

GROUND WATER QUALITY RECORDS
OCTOBER 1983 TO SEPTEMBER 1984

SARASOTA COUNTY

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS) (00095)	SPECIFIC CONDUCTANCE LAB (UMHOS) (90095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)

265713082205701 40S20E31 65722011 321 (LAT 26 57 13 LONG 082 20 57)

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS) (00095)	SPECIFIC CONDUCTANCE LAB (UMHOS) (90095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
NOV 1983											
15...	1615	865	--	7.3	23.0	--	--	--	<1	<100	<1
15...	1616	865	--	7.3	23.0	--	--	--	<1	<100	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)
NOV 1983											
15...	1	10	5.00	<0.1	<1	<1.00	<0.1	<0.01	<0.1	<0.01	<0.01
15...	1	2.00	5.00	<0.1	<1	<1.00	<0.1	<0.01	<0.1	<0.01	<0.01

DATE	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDRIN, TOTAL (UG/L) (39390)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	PERTHANE TOTAL (UG/L) (39034)	LINDANE TOTAL (UG/L) (39340)	METHOXYCHLOR, TOTAL (UG/L) (39480)	TOXAPHENE, TOTAL (UG/L) (39400)	TOLUENE TOTAL (UG/L) (34010)
NOV 1983											
15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<1	<3.0
15...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<1	<3.0

DATE	BENZENE TOTAL (UG/L) (34030)	CHLOROBENZENE TOTAL (UG/L) (34301)	DICHLOROBROMOMETHANE TOTAL (UG/L) (32101)	CARBONTETRACHLORIDE TOTAL (UG/L) (32102)	1,2-DICHLOROETHANE TOTAL (UG/L) (32103)	BROMOFORM TOTAL (UG/L) (32104)	CHLORODIBROMOMETHANE TOTAL (UG/L) (32105)	CHLOROFORM TOTAL (UG/L) (32106)	ETHYLBENZENE TOTAL (UG/L) (34371)	METHYLENE CHLORIDE TOTAL (UG/L) (34423)	TETRACHLOROETHYLENE TOTAL (UG/L) (34475)
NOV 1983											
15...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.6	<3.0
15...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	TRICHLOROFLOUROMETHANE TOTAL (UG/L) (34488)	1,1-DICHLOROETHANE TOTAL (UG/L) (34496)	1,1-DICHLOROETHYLENE TOTAL (UG/L) (34501)	1,1,1-TRICHLOROETHANE TOTAL (UG/L) (34506)	1,1,2-TRICHLOROETHANE TOTAL (UG/L) (34511)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L) (34516)	1,2-DICHLOROPROPANE TOTAL (UG/L) (34541)	CHLOROETHYLENE TOTAL (UG/L) (34546)	DICHLORODIFLUOROMETHANE TOTAL (UG/L) (34668)	TRICHLOROETHYLENE TOTAL (UG/L) (39180)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)
NOV 1983											
15...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1
15...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1

SARASOTA COUNTY--Continued

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH LAB (STANDARD UNITS) (00403)	TEMPERATURE (DEG C) (00010)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L) (00515)
265927082195201 - ENGLEWOOD TEST C-8 (LAT 26 59 27 LONG 082 19 52)									
FEB , 1984									
02...	1000	106	1900	2520	7.3	24.0	28	680	--
270032082205801 - JACK BERRY #8(VENETIA EAST) WELL NR VENICE,FL (LAT 27 00 32 LONG 082 20 58)									
MAR , 1984									
26...	1230	230	3300	3400	--	25.0	390	820	--
270057082210501 - JACK BE #7(VENETIA WEST) WELL NR VENICE,FL (LAT 27 00 57 LONG 082 21 05)									
MAR , 1984									
22...	0930	100	1330	1350	--	--	220	210	--
22...	0945	140	1290	1350	--	24.5	--	210	--
270153082212601 - JACK BERRY 9 NR VENICE,FL (LAT 27 01 53 LONG 082 21 26)									
FEB , 1984									
01...	1230	610	3400	4330	7.2	24.0	780	900	--
270203082210101 - JACK BERRY 3(VENETIA 1) NR VENICE,FL (LAT 27 02 03 LONG 082 21 01)									
JAN , 1984									
31...	1400	313	1950	2510	7.1	23.0	600	380	--
270203082213701 - JACK BERRY 4(VENETIA 2) NR VENICE,FL (LAT 27 02 03 LONG 082 21 37)									
FEB , 1984									
01...	1300	600	2250	2890	7.2	24.0	730	460	--
01...	1400	350	1850	2360	7.4	24.0	600	330	--
01...	1500	--	2300	2630	7.6	24.0	680	400	--
270205082204001 - JACK BERRY 5 NR VENICE,FL (LAT 27 02 05 LONG 082 20 40)									
JAN , 1984									
30...	0900	470	3000	3830	7.0	24.0	850	680	--
270219082185801 - MANATEE J.C. SOUTH WELL NR VENICE,FL (LAT 27 02 19 LONG 082 18 58)									
MAR , 1984									
01...	1500	--	4700	4620	--	24.5	830	1100	--
01...	1515	240	4600	4530	--	25.5	820	1100	--
21...	1100	--	--	4670	--	24.5	840	1100	--
270223082185701 - MANATEE JUNIOR COLLEGE MIDDLE WELL NR VENICE,FL (LAT 27 02 23 LONG 082 18 57)									
MAR , 1984									
21...	1200	80.0	1100	990	--	24.0	42	200	--
21...	1210	--	1300	1270	--	--	66	290	--
21...	1230	158	810	820	--	24.5	30	170	--
26...	1215	--	3720	3640	--	25.0	460	880	--

SARASOTA COUNTY--Continued

DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)
270240082235701 - ROMP TR4-2 WELL NR VENICE FL (LAT 27 02 40 LONG 082 23 57)									
OCT , 1983 03...	1306	--	2190	2100	--	25.5	570	280	--
DEC 14...	1211	--	2260	2190	--	24.5	740	260	--
FEB , 1984 16...	1237	--	2300	2200	--	24.5	740	270	--
APR 03...	1325	--	2180	2400	--	24.5	730	260	--
JUN 06...	1108	--	2070	2130	--	25.0	730	270	--
AUG 08...	1504	--	2170	2190	--	26.0	710	280	--
270808082270502 - ROMP TR5-1 SUWANNEE WELL AT LAUREL,FL. (LAT 27 08 08 LONG 082 27 05)									
OCT , 1983 05...	1415	--	2370	--	--	27.5	--	--	--
DEC 14...	1405	--	2440	2440	--	26.0	1400	55	--
FEB , 1984 15...	1405	--	2550	2400	--	26.0	1500	54	--
APR 03...	1444	--	2400	2400	--	27.0	1500	60	--
JUN 06...	1250	--	2380	2380	--	26.5	1500	58	--
AUG 09...	1215	--	2440	2450	--	28.0	1400	50	--
270808082270503 - ROMP TR5-1 HAWTHORN WELL AT LAUREL,FL. (LAT 27 08 08 LONG 082 27 05)									
OCT , 1983 03...	1501	--	2150	2150	--	26.5	1200	30	--
DEC 14...	1501	--	2140	2150	--	26.0	1300	--	--
FEB , 1984 15...	1422	--	2300	2160	--	26.0	1300	33	--
APR 03...	1525	--	2300	2100	--	25.5	1300	35	--
JUN 06...	1304	--	2100	2140	--	26.5	1300	32	--
AUG 09...	1150	--	2150	2170	--	27.0	1200	40	--
271021082151603 - ROMP 19 ES WELL NEAR SARASOTA, FL (LAT 27 10 21 LONG 082 15 16)									
MAY , 1984 10...	1410	--	930	870	7.5	25.0	110	66	--
SEP 14...	1239	--	970	917	8.2	25.0	100	--	--
271134082092201 - BIG SLOUGH DEEP WELL NEAR ARCADIA,FL. (LAT 27 11 34 LONG 082 09 22)									
MAY , 1984 11...	1050	--	870	890	--	27.0	--	100	--
SEP 14...	1358	--	950	930	--	26.0	--	110	--
271134082092202 - BIG SLOUGH SHALLOW WELL NEAR ARCADIA,FL. (LAT 27 11 34 LONG 082 09 22)									
MAY , 1984 11...	1035	--	634	650	--	27.0	--	45	--
SEP 14...	1327	--	600	663	--	29.0	--	43	--

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)

271021082151603 - ROMP 19 ES WELL NEAR SARASOTA, FL (LAT 27 10 21 LONG 082 15 16)

DATE	TIME	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
MAY , 1984											
10...	1410	930	870	--	7.5	25.0	40	6.7	110	26	57
SEP											
14...	1239	970	917	6.7	8.2	25.0	20	--	120	26	57

DATE	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
MAY , 1984										
10...	.190	.190	<100	5	11	6	3800	1500	2300	100
SEP										
14...	.210	.090	<10	6	1	3	3100	--	2800	1

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
MAY , 1984										
10...	.70	110	66	.30	17	600	.010	<.02	.430	.92
SEP										
14...	.80	100	--	.30	20	608	<.010	<.01	.420	.92

DATE	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
MAY , 1984										
10...	100	7	20	0	23	<.1	4	500	97	284
SEP										
14...	--	4	10	--	15	<.1	1	520	10	297

SARASOTA COUNTY--Continued

DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	SPE-CIFIC CON-DUC-TANCE LAB (US/CM) (90095)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)
271525082272401 - SUNRISE UTILITIES WELL #1 NR SARASOTA,FL (LAT 27 15 25 LONG 082 27 24)									
APR , 1984									
19...	1115	--	900	990	--	--	230	75	747
271525082272801 - SUNRISE UTILITIES WELL #2 NR SARASOTA,FL (LAT 27 15 25 LONG 082 27 28)									
APR , 1984									
20...	1405	--	850	910	--	26.0	180	76	669
271530082272801 - SUNRISE UTILITIES WELL #3 NR SARASOTA,FL (LAT 27 15 30 LONG 082 27 28)									
APR , 1984									
19...	1100	50.0	1410	1410	--	26.0	670	36	1300
20...	1101	143	1380	1340	--	26.0	650	35	1200
20...	1400	440	1200	1620	--	26.0	830	34	1500
271601082330501 - ROMP TR 6-1 HAWTHORN WELL NEAR SARASOTA FL (LAT 27 16 01 LONG 082 33 05)									
NOV , 1983									
01...	0855	--	2480	2600	--	26.0	720	360	--
JAN , 1984									
17...	1000	--	2700	2670	--	26.5	920	360	--
FEB									
17...	1445	--	2700	2700	--	24.5	890	360	--
APR									
10...	1328	--	2500	--	--	25.0	--	--	--
JUL									
09...	1045	--	2890	2790	--	27.0	920	370	--
AUG									
09...	1515	--	2950	2810	--	27.5	920	380	--
272053082320202 - INJECTION WELL 2 AT SARASOTA,FLA (LAT 27 20 53 LONG 082 32 02)									
MAY , 1984									
16...	1300	--	12000	5510	--	26.5	1300	1200	--
272255082172202 - KME RECHARGE WELL NEAR VERNA,FLA (LAT 27 22 55 LONG 082 17 22)									
JUN , 1984									
05...	1415	--	1700	1660	--	25.0	840	23	--

WATER RESOURCES DATA FOR FLORIDA, 1984
VOLUME 3B: SOUTHWEST FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 18

SUMTER COUNTY

INDEX NUMBER	SITE NUMBER	PAGE NUMBER
1	281951082012001	324
1	281951082012002	324
1	281951082012003	325
2	282127082022501	325
3	282152082011201	326
3	282152082011202	326
4	282740082012101	327
4	282740082012102	327
5	282741081585701	328
6	283638082025701	328
6	283638082025702	329
7	284619082035101	329
8	285121082112201	330
9	285207082014501	330

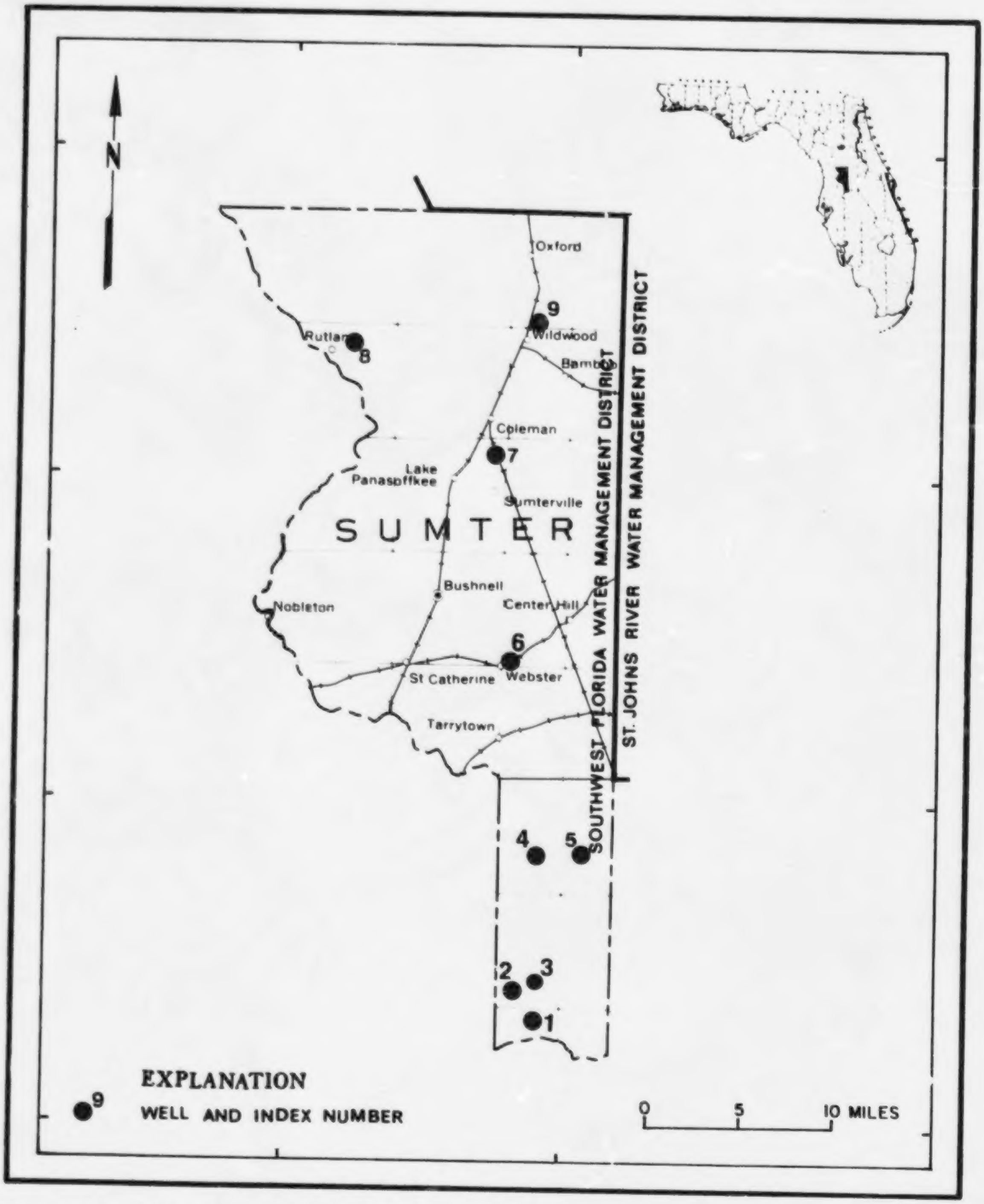
N
Oxford
9
Wildwood
Bamboo
Rutland
8
Coleman
7
Lake Panasoffkee
Sumterville
SUMTER
Bushnell
Nobleton
Center Hill
6
Webster
St Catherine
Tarrytown
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4
5
2
3
1
EXPLANATION
9 WELL AND INDEX NUMBER
0
5
10 MILES

Figure 18. Location of wells in Sumter County

SUMTER COUNTY

WELL NUMBER.--281951082012001. Local Number Sumter 819-201-01. Green Swamp Well L11MD near Dade City, FL.

LOCATION.--Lat 28°19'51", long 82°01'20", in SE¼NE¼NE¼ sec.9, T.25 S., R.23 E., Hydrologic Unit 03100208, on south side of Main Line Road, 300 ft west of Cross Creek Bridge, 2.2 mi southeast of Cumpressco, and 12 mi east of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 49 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in casing at land-surface datum.

DATUM.--Land-surface datum is 92.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.83 ft NGVD, Sept. 13, 1982; lowest measured, 84.60 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 18...	1000	89.61	MAR 29...	1040	90.66
DEC 06...	1100	89.63	MAY 14...	0935	89.64
FEB 01...	1515	90.93	AUG 15...	1200	90.56
MAR 27...	1500	88.95			

WELL NUMBER.--281951082012002. Local Number Sumter 819-201-02. Green Swamp Well L11MM near Dade City, FL.

LOCATION.--Lat 28°19'51", long 82°01'20", in SE¼NE¼NE¼ sec.9, T.25 S., R.23 E., Hydrologic Unit 03100208, on south side of Main Line Road, 300 ft west of Cross Creek Bridge, 2.2 mi southeast of Cumpressco, and 12 mi east of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 18 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in casing, 0.21 ft below land-surface datum.

DATUM.--Land-surface datum is 92.97 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.06 ft NGVD, Mar. 30, 1983; lowest measured, 84.43 ft NGVD, June 9, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 18...	1000	90.74	MAY 14...	0930	89.65
DEC 06...	1100	87.19	JUN 27...	1500	89.10
FEB 01...	1515	91.03	AUG 15...	1200	90.67
MAR 29...	1045	90.86			

SUMTER COUNTY

WELL NUMBER.--281951082012003. Local Number Sumter 819-201-03. Green Swamp Well L11MS near Dade City, FL.

LOCATION.--Lat 28°19'51", long 82°01'20", in SE¼NE¼NE¼ sec.9, T.25 S., R.23 E., Hydrologic Unit 03100208, on south side of Main Line Road, 300 ft west of Cross Creek Bridge, 2.2 mi southeast of Cumpressco, and 12 mi east of Dade City.

AQUIFER.--Nonartesian sand aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in, depth 9 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 92.67 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.67 ft NGVD, Aug. 23, 1977; lowest measured, 85.07 ft NGVD, June 9, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
18...	1000	89.64	29...	1040	90.05
DEC			MAY		
06...	1100	91.17	14...	0940	88.52
FEB			AUG		
01...	1515	90.90	15...	1200	90.80
MAR					
27...	1500	88.03			

WELL NUMBER.--282127082022501. Local Number Sumter 821-202-411. Cumpressco Ranch Well near Tarrytown, FL.

LOCATION.--Lat 28°21'27", long 82°02'25", in SE¼NE¼NE¼ sec.31, T.24 S., R.23 E., Hydrologic Unit 03100208, in pasture, 600 ft south of Main Line Road, 1.6 mi east of State Highway 471, and 13.6 mi south of Tarrytown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 143 ft, cased to 20 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.01 ft above land-surface datum.

DATUM.--Land-surface datum is 97.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1959 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 94.57 ft NGVD, Feb. 12, 1983; lowest, 85.11 ft NGVD, July 2, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	91.71		---	92.87	92.60	92.91	92.34	90.89	90.49	90.34	91.46	90.17
10	91.49		91.00	93.78	92.26	92.39	92.25	90.80	89.92	90.72	91.23	90.79
15	91.97		92.66	93.66	93.16	92.35	92.81	90.43	89.48	90.48	90.87	---
20	91.88		93.05	94.22	92.61	92.07	92.23	90.32	89.53	90.37	90.41	---
25	91.61		92.45	93.57	93.26	91.82	91.70	91.16	89.67	91.51	91.34	---
EOM	---		93.53	92.93	93.73	91.64	91.26	91.22	89.97	91.27	90.65	---
MAX	---		---	94.22	93.85	93.46	92.85	91.40	91.02	91.59	91.78	---

SUMTER COUNTY

WELL NUMBER.--282152082011201. Local Number Sumter 821-201-01. Green Swamp Well L11KD near Dade City, FL.

LOCATION.--Lat 28°21'52", long 82°01'12", in SW¼NW¼NE¼ sec.33, T.24 S., R.23 E., Hydrologic Unit 03100208, 1,800 ft north of East Grade Road, 1.3 mi northeast of Cumpressco, and 11 mi east of Dade City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in, depth 36 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 93.13 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.72 ft NGVD, Sept. 20, 1979; lowest measured, 85.85 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 18...	0915	91.87	MAR 29...	1120	91.94
DEC 06...	1130	91.11	JUN 27...	1531	89.09
FEB 01...	1655	92.23			

WELL NUMBER.--282152082011202. Local Number Sumter 821-201-02. Green Swamp Well L11KS near Dade City, FL.

LOCATION.--Lat 28°21'52", long 82°01'12", in SW¼NW¼NE¼ sec.33, T.24 S., R.23 E., Hydrologic Unit 03100208, 1,800 ft north of East Grade Road, 1.3 mi northeast of Cumpressco, and 11 mi east of Dade City.

AQUIFER.--Nonartesian sand aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 17 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.15 ft above land-surface datum.

DATUM.--Land-surface datum is 93.08 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.19 ft NGVD, Sept. 18, 1981; lowest measured, 85.84 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 18...	0915	91.83	MAR 29...	1120	91.92
DEC 06...	1130	91.11	JUN 27...	1531	91.31
FEB 01...	1550	92.25			

SUMTER COUNTY

WELL NUMBER.--282740082012101. Local Number Sumter 827-201-01. Green Swamp Well L12BD near Bay Lake, FL.

LOCATION.--Lat 28°27'40", long 82°01'21", in SE¼NW¼NE¼ sec.28, T.23 S., R.23 E., Hydrologic Unit 03100208, on south side of Center Grade Road, 2.1 mi east of State Highway 471, 2.8 mi east of Clay Sink, and 7 mi west of Bay Lake.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in, depth 30 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.48 ft above land-surface datum.

DATUM.--Land-surface datum is 93.12 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.83 ft NGVD, Feb. 16, 1983; lowest measured, 86.48 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 07...	1447	91.07	MAY 14...	0830	90.10
DEC 06...	0915	90.84	JUN 27...	1600	89.25
FEB 01...	1640	91.57	AUG 15...	1045	91.06
MAR 29...	1200	90.55	SEP 11...	1218	90.01

WELL NUMBER.--282740082012102. Local Number Sumter 827-201-02. Green Swamp Well L12BS near Bay Lake, FL.

LOCATION.--Lat 28°27'40", long 82°01'21", in SE¼NW¼NE¼ sec.28, T.23 S., R.23 E., Hydrologic Unit 03100208, on south side of Center Grade Road, 2.1 mi east of State Highway 471, 2.8 mi east of Clay Sink, and 7 mi west of Bay Lake.

AQUIFER.--Nonartesian sand aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in, depth 10 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.45 ft above land-surface datum.

DATUM.--Land-surface datum is 93.10 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to September 1977 (monthly), October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.28 ft NGVD, Aug. 17, 1983; lowest measured, 86.46 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT 07...	1445	91.03	MAY 14...	0830	90.07
DEC 06...	0915	90.81	JUN 27...	1600	89.24
FEB 01...	1635	91.53	AUG 15...	1045	91.03
MAR 29...	1200	91.52	SEP 11...	1215	89.99

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SUMTER COUNTY

WELL NUMBER.--282741081585701. Local Number Sumter 827-158-131. Withlacoochee State Forest Green Swamp Well near Bay Lake, FL.

LOCATION.--Lat 28°27'41", long 81°58'57", in NE¼NE¼NW¼ sec.26, T.23 S., R.23 E., Hydrologic Unit 03100208, in Withlacoochee State Forest, at southwest corner of Center Road and South Loop Road, 4.8 mi east of State Highway 471, and 4.8 mi west of Bay Lake.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 175 ft, cased to 99 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 96.94 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1959, September 1964 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.50 ft NGVD, July 8, 1974; lowest measured, 91.59 ft NGVD, May 2, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
07...	1430	95.35	14...	0800	93.86
DEC			JUN		
06...	0900	94.75	27...	1610	93.09
FEB			AUG		
02...	1200	95.81	15...	1035	94.34
MAR			SEP		
29...	1215	95.68	11...	1230	94.02

WELL NUMBER.--283638082025701. Local Number Sumter 836-202-131. Webster City Well at Webster, FL.

LOCATION.--Lat 28°36'38", long 82°02'57", in SW¼SE¼SW¼ sec.31, T.21 S., R.23 E., Hydrologic Unit 03100208, near town water tank at east end of Main Street in Webster.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 423 ft, cased to 200 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in riser pipe, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 92.36 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.94 ft NGVD, Jan. 8, 1970; lowest measured, 74.48 ft NGVD, July 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAR		
07...	0900	83.61	26...	0715	84.42
DEC			JUL		
05...	1210	82.46	03...	1415	85.09
JAN			AUG		
31...	1200	84.88	14...	0845	85.87

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SUMTER COUNTY

WELL NUMBER.--283638082025702. Local Number 836-202-04. Town of Webster, FL.

LOCATION.--Lat 28°36'38", long 82°02'57", in SW¼SE¼SW¼ sec.31, T.21 S., R.23 E., Hydrologic Unit 03100208, 100 ft west of town water tank at east end of Main Street in Webster.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 8 in, depth 430 ft, cased to 174 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 0.87 ft above land-surface datum.

DATUM.--Land-surface datum is 91.85 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April to September 1978; October 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.30 ft NGVD, Apr. 25, 1983; lowest, 74.45 ft NGVD, July 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	82.95	82.47	85.03	84.72	85.02	85.10	84.62	83.97	84.30	84.46	83.27
10	---	82.83	82.34	84.97	84.49	84.75	85.49	84.45	83.62	84.28	84.20	83.14
15	83.51	82.64	83.35	84.79	84.55	84.69	85.66	84.16	83.34	83.89	83.81	82.84
20	83.44	82.62	83.59	85.02	84.40	84.58	85.34	83.84	83.28	83.68	83.77	82.63
25	83.30	82.64	83.47	85.16	84.65	84.49	84.99	84.28	83.38	83.66	83.92	82.35
EOM	83.06	82.56	85.14	84.90	85.06	84.31	84.67	84.40	83.91	84.55	83.56	82.34
MAX	---	83.04	85.14	85.17	85.06	85.08	85.66	84.67	84.30	84.55	84.59	83.49

WELL NUMBER.--284619082035101. Local Number 846-203-01. ROMP Deep Well 111 at Tompkins Park, near Coleman, FL.

LOCATION.--Lat 28°46'19", long 82°03'51", in NW¼SE¼SW¼ sec.1, T.20 S., R.22 E., Hydrologic Unit 03100208, in G.B. Tompkins Park on U.S. Highway 301, 500 ft north of Shady Brook, and 2.0 mi south of Coleman.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, observation well, diameter 8 in, depth 192 ft, cased to 62 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 1.62 ft above land-surface datum.

DATUM.--Land-surface datum is 63.61 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 57.17 ft NGVD, Apr. 24, 1983; lowest, 52.09 ft NGVD, June 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	54.12	54.12	54.10	55.38	54.76	55.19	55.29	54.79	55.87	55.83	55.26	54.93
10	53.94	54.06	54.05	55.34	54.60	54.95	55.65	54.67	55.51	55.64	55.02	54.77
15	54.16	54.05	54.46	55.15	54.85	54.83	55.69	54.46	55.08	55.35	54.99	54.52
20	54.26	54.03	54.72	55.06	54.81	54.75	55.45	54.27	55.04	55.17	54.99	54.43
25	54.29	54.07	54.64	55.05	54.96	54.64	55.16	54.85	55.29	54.99	55.57	54.25
EOM	54.09	54.19	55.25	55.01	55.13	54.47	54.87	56.16	55.36	55.04	55.20	54.30
MAX	54.32	54.21	55.25	55.40	55.13	55.19	55.72	56.20	56.08	55.83	55.64	55.14

CAL YR 1983 MAX 57.17
WTR YR 1984 MAX 56.20

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SUMTER COUNTY

WELL NUMBER.--285121082112201. Local Number Sumter 851-211-414. Sumter Well Number 13 near Wildwood, FL.

LOCATION.--Lat 28°51'21", long 82°11'22", in NW¼NE¼NE¼ sec.10, T.19 S., R.21 E., Hydrologic Unit 03100208, on south side of State Highway 44, 2.0 mi east of Withlacoochee River, and 9.1 mi west of Wildwood.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 31 ft, cased to 26 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 6-in coupling, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 50.80 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 15, 1979, land-surface datum was considered to be 50.40 ft NGVD.

REMARKS.--The figures of water level as elevation NGVD prior to Aug. 15, 1979, are in error. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--December 1964 to July 1973 (bimonthly), August 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 47.16 ft NGVD, Oct. 6, 1982; lowest, 38.41 ft NGVD, Oct. 24, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.26	43.06	43.14	44.33	43.92	44.52	44.91	44.57	43.88	44.62	44.74	43.46
10	43.13	43.07	43.00	44.27	43.68	44.19	45.30	44.46	43.49	44.08	44.17	43.26
15	43.62	42.87	43.69	44.26	44.71	44.07	44.79	43.98	43.21	43.98	43.92	42.92
20	43.54	43.05	43.80	44.27	44.41	43.84	44.37	43.55	43.09	43.78	44.17	42.73
25	43.62	43.25	43.60	44.38	44.65	43.70	43.99	44.40	43.07	43.68	44.34	42.45
EOM	43.23	43.30	44.66	44.15	44.87	43.55	43.65	44.38	43.57	45.13	43.81	42.91
MAX	43.68	43.31	44.66	44.62	44.90	44.81	45.30	44.69	44.24	45.13	45.40	43.72

CAL YR 1983 MAX 45.85
WTR YR 1984 MAX 45.40

WELL NUMBER.--285207082014501. Local Number Sumter 852-201-334. Masters Avenue City Well at Wildwood, FL.

LOCATION.--Lat 28°52'07", long 82°01'45", in SE¼SE¼NW¼ sec.5, T.19 S., R.23 E., Hydrologic Unit 03100208, 100 ft east of Masters Avenue, and 600 ft north of Cleveland Avenue in Wildwood.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geological Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 12 in, depth 125 ft, cased to 45 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Bottom edge of 2 in vent pipe, 1.48 ft above land-surface datum.

DATUM.--Land-surface datum is 82.58 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1961 to January 1978 (bimonthly); February 1978 to October 1979; November 1979 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.86 ft NGVD, Sept. 15, 1964; lowest measured, 45.18 ft NGVD, Dec. 14, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
06...	1440	52.76	17...	1325	52.60
DEC			AUG		
01...	1148	51.24	13...	0945	52.04
JAN			SEP		
31...	1100	52.87	10...	0935	52.36
APR					
05...	1255	53.01			

SUMTER

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
283324082050601	83320501 22S22E23 WILSON IRR WELL AT WILSON CR	28 33 24	082 05 06	01	84-05-14	75.19
					84-09-11	73.54
283432081592401	83415901 22S23E15 JC 51 HUGH ILEY	28 34 32	081 59 24	01	84-05-14	91.88
					84-09-11	89.89
283502082014001	MCEYLEA REPLACE NR WEBSTER	28 35 02	082 01 40	01	84-05-15	85.88
					84-09-11	83.79
283519081591601	83515901 22S23E11 JC 68 FLA ROCK IND NO 3	28 35 19	081 59 16	01	84-05-15	90.82
					84-09-11	89.78
283539082000301	83520001 25S23E10 JC 67 FLA ROCK IND NO 2	28 35 39	082 00 03	01	84-05-15	89.39
					84-09-11	88.08
283637082081501	83620801 21S22E32 SCL RR USED 155	28 36 37	082 08 15	01	84-05-15	64.73
					84-09-13	63.84
283718081580201	THELMA ILEY WELL NR CENTER HILL,FL	28 37 18	081 58 02	01	84-09-04	88.25
283829082123701	83821202 21S21E21 JC 47 N R DOKE	28 38 29	082 12 37	01	84-05-16	45.86
					84-09-13	45.85
283904082001601	83920001 21S23E22 JC 65 U S GEOL SURVEY	28 39 04	082 00 16	01	84-05-16	75.24
					84-09-11	75.23
283904082005301	83920002 21S23E21 JC 69 FLA CRUSHED STONE NO 4	28 39 04	082 00 53	01	84-05-16	71.94
					84-09-11	71.54
283952082022001	83920201 21S23E18 JC 42 PARROT RANCH	28 39 52	082 02 20	01	84-05-16	79.22
					84-09-11	78.97
283953082051401	83920501 21S22E14 JC 36	28 39 53	082 05 14	01	84-05-16	77.35
					84-09-11	77.29
284002082064201	84020602 21S22E16 JC 53 BUSHNELL	28 40 02	082 06 42	01	84-05-16	67.37
					84-09-10	69.75
284017082033701	84020303 21S22E12 JC 38	28 40 17	082 03 37	01	84-05-16	78.81
					84-09-13	78.39
284100082055801	84120504 21S22E03 JC 29	28 41 00	082 05 58	01	84-05-17	67.76
					84-09-14	68.03
284104082055801	84120505 21S22E03 JC 30	28 41 04	082 05 58	01	84-05-17	66.62
					84-09-14	66.83
284114082080701	BEVILLES 50FT N OF WINDMILL	28 41 14	082 08 07	01	84-05-16	57.12
					84-09-12	57.18
284115082062601	84120601 21S22E04 JC 27A	28 41 15	082 06 26	01	84-05-17	61.02
					84-09-12	61.65
284119082034501	84120304 21S22E01 JC 44 PARROT RANCH	28 41 19	082 03 45	01	84-05-16	79.01
					84-09-13	78.17
284126082034501	84120305 21S22E01 JC 45 PARROT RANCH	28 41 26	082 03 45	01	84-05-16	79.00
284131082002101	STUART RANCH WELL NR CENTER HILL,FL	28 41 31	082 00 21	01	84-09-14	83.63
284132082092801	84120901 21S21E01 JC 05 C H BEVILLE	28 41 32	082 09 28	01	84-05-16	48.51
					84-09-12	48.62
284139082082501	84120801 21S22E06 JC 06 C H BEVILLE	28 41 39	082 08 25	01	84-05-16	55.49
					84-09-12	55.56
284143082032901	84120301 21S22E01 JC 39 PARROT RANCH	28 41 43	082 03 29	01	84-05-16	76.41
					84-09-13	76.16
284143082050801	84120503 21S22E02 JC 23 C H BEVILLE	28 41 43	082 05 08	01	84-05-17	70.62
					84-09-14	70.71
284143082051401	84120502 21S22E02 JC 22 C H BEVILLE	28 41 43	082 05 14	01	84-05-17	69.52
					84-09-14	69.67
284146082045901	84120401 21S22E02 JC 24 C H BEVILLE	28 41 46	082 04 59	01	84-05-17	72.60
					84-09-14	72.52
284146082061401	84120604 21S22E03 JC 32	28 41 46	082 06 14	01	84-05-17	60.04
					84-09-12	60.08
284147082051301	84120507 21S22E02 JC 21 C H BEVILLE	28 41 47	082 05 13	01	84-05-17	69.07
					84-09-14	69.18

SUMTER

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
284147082052801	84120506 21S22E03 JC 34	28 41 47	082 05 28	01	84-05-17 84-09-14	67.03 67.09
284148082064301	84120603 21S22E04 JC 33 C H BEVILLE	28 41 48	082 06 43	01	84-05-16 84-09-10	58.24 58.14
284155082043901	84120402 20S22E35 JC 25 C H BEVILLE	28 41 55	082 04 39	01	84-05-17 84-09-14	74.76 74.63
284155082051401	84120501 20S22E35 JC 17 C H BEVILLE	28 41 55	082 05 14	01	84-05-17 84-09-12	73.11 73.54
284158082045101	84120404 20S22E35 JC 64	28 41 58	082 04 51	01	84-05-17 84-09-12	71.26 71.19
284159082081601	84120803 20S22E31 JC 62 U S GEOL SURVEY	28 41 59	082 08 16	01	84-05-16 84-09-12	53.29 53.23
284208082051701	84220501 20S22E34 JC 18 C H BEVILLE	28 42 08	082 05 17	01	84-05-17 84-09-12	72.85 73.38
284208082054601	84220502 20S22E34 JC 19 C H BEVILLE	28 42 08	082 05 46	01	84-05-17 84-09-12	69.83 70.62
284209082060101	84220601 20S22E34 JC 20 C H BEVILLE	28 42 09	082 06 01	01	84-05-17 84-09-12	63.64 63.16
284212082044301	84220403 20S22E35 JC 16 C H BEVILLE	28 42 12	082 04 43	01	84-05-17 84-09-12	74.24 74.34
284212082071701	84220702 20S22E32 JC 63 U S GEOL SURVEY	28 42 12	082 07 17	01	84-05-16 84-09-11	55.99 55.90
284215082092301	84220901 20S21E36 JC 61 U S GEOL SURVEY	28 42 15	082 09 23	01	84-05-16 84-09-12	46.48 46.52
284237082044401	84220402 20S22E35 JC 13 C H BEVILLE	28 42 37	082 04 44	01	84-05-17 84-09-12	70.72 72.16
284241082034201	84220301 20S22E36 JC 14 C H BEVILLE	28 42 41	082 03 42	01	84-05-17 84-09-12	78.14 79.34
284242082054401	84220505 20S22E34 JC 09 C H BEVILLE	28 42 42	082 05 44	01	84-05-17 84-09-14	62.01 62.54
284249082053101	84220504 20S22E27 JC 10 C H BEVILLE	28 42 49	082 05 31	01	84-05-17 84-09-12	67.56 67.70
284252082045201	84220401 20S22E26 JC 12 C H BEVILLE	28 42 52	082 04 52	01	84-05-17 84-09-12	68.95 70.77
284258082072101	84220701 20S22E29 JC 08 C H BEVILLE	28 42 58	082 07 21	01	84-05-16 84-09-12	55.02 54.73
284259082052101	84220503 20S22E27 JC 11 C H BEVILLE	28 42 59	082 05 21	01	84-05-17 84-09-12	72.54 72.85
284311082081801	84320801 20S22E30 JC 01 C H BEVILLE	28 43 1_	082 08 18	01	84-05-16 84-09-12	51.82 51.35
284317082142601	84321401 20S21E30 TRAILER PARK NW OF WAHOO	28 43 17	082 14 26	01	84-05-16 84-09-10	41.63 41.96
284323082083601	84320802 20S22E30 JC 02 C H BEVILLE	28 43 23	082 08 36	01	84-05-16 84-09-12	49.79 49.64
284340082042701	84320401 20S22E23 JC 66 SANDPIT WELL	28 43 40	082 04 27	01	84-05-17 84-09-10	51.56 52.75
284430082063001	84420601 20S22E21 JC 72 GEO ALTMAN IRR	28 44 30	082 06 30	01	84-05-16 84-09-10	45.07 45.70
284435082011701	BRENTWOOD WELL NR SUMTERVILLE,FL	28 44 35	082 01 17	01	84-09-04	66.15
284449082055201	84420502 20S22E15 WOODWARD RESIDENCE	28 44 49	082 05 52	01	84-05-16 84-09-10	42.52 43.06
284520082081301	84520802 20S22E17 JC 54	28 45 20	082 08 13	01	84-05-17 84-09-10	42.93 43.13
284521082014901	84520101 20S23E08 JC 55 DIXIE LIME	28 45 21	082 01 49	01	84-05-17 84-09-10	47.14 47.60
284531082034301	DINOSAUR JUNGLE WELL NR SUMTERVILLE	28 45 31	082 03 43	01	84-05-17 84-09-10	43.82 44.05

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1983 TO SEPTEMBER 1984

SUMTER

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV-ATION ABOVE NGVD (FEET)
284548082073601	84520702 20S22E17 JC 70	28 45 57	082 07 36	01	84-05-17	40.73
					84-09-10	41.03
284703082001701	LOWES BURNED HOUSE WELL NR ADAMSVILLE, FL	28 47 03	082 00 17	01	84-05-16	55.85
					84-09-10	55.91
284756082020301	84720201 BOLLING WELL AT ADAMSVILLE,FL	28 47 56	082 02 03	01	84-05-16	56.08
					84-09-10	55.96
284809082080701	84820801 19S22E30 HOWARD KENT	28 48 09	082 08 07	01	84-05-17	39.90
					84-09-10	39.99
284810082004001	HOGEYE SINK WELL NR WILDWOOD,FL	28 48 10	082 00 40	01	84-05-16	54.50
					84-09-10	54.53
284955081595801	BYRD TRAILER WELL NR ORANGE HOME,FL	28 49 55	081 59 58	01	84-09-04	67.00
285112082124001	85121201 19S21E09 JC 60 U S GEOL SURVEY	28 51 12	082 12 40	01	84-05-17	37.31
					84-09-10	37.55
285150082044001	85120401 19S22E02 JC 58 U S GEOL SURVEY	28 51 50	082 04 40	01	84-05-17	49.70
					84-09-10	49.49
285224082054201	85220501 18S22E34 HORNES WELL W OF WILDWOOD	28 52 24	082 05 42	01	84-05-17	48.75
					84-09-10	48.48
285420081571901	SMITH WELL NO.2 NR CHERRY LAKE,FL	28 54 20	081 57 19	01	84-09-10	56.09
285422082001901	HATCHER WELL AT LAKE MIONA NR OXFORD,FL	28 54 22	082 00 19	01	84-05-17	52.69
					84-09-10	52.18
285510081582501	SUMTER PEAT WELL NR OXFORD,FL	28 55 10	081 58 25	01	84-05-17	54.84
					84-09-10	54.18
285536082044001	85520401 18S22E14 G N SMITH	28 55 36	082 04 40	01	84-05-17	51.21
					84-09-10	50.67
285538082003101	GRIEGS WELL NR OXFORD	28 55 38	082 00 31	01	84-05-17	52.38
					84-09-10	51.81

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons